

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
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JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

10/31/11

Sheila Lawn
Assistant District Attorney, Suffolk County

Dear Ms. Lawn,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]. Included are copies of the following:

1. Drug Analysis Laboratory Receipt.
2. Control Cards with analytical results for sample #'s [REDACTED]
3. Analysis sheets with chemist's hand notations and test results.
4. GC/Mass Spectral analytical data for sample #'s [REDACTED]

GC/MS testing was performed by Nicole Medina. All other analyses were performed by Kate Corbett. If you have any questions about these materials, please call me at the number below.

Sincerely,

Kate Corbett
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6632

cc: NEM



DRUG RECEIPT

CC #

BOOK #

PAGE #

DESTRUCTION #

District/Unit D9 / DK51F

Name & Rank of Arresting Officer _____ ID# 91393 / 36209

To be completed by ECU personnel only

Name and Rank of Submitting Officer Sgt H. W. Hinch ID# 11064

Received by _____ Date 8/3/04

ECU Control #

No. [REDACTED]

Date Analyzed:

City: Boston D.C.U. Police Dept. 09-22-11
Officer: P.O. SYBIL WHITE

Def: [REDACTED]

Amount:

No. Conf: 1 Cont: pb

Subst: SUB

Date Rec'd: 08/05/2011

Gross Wt.: 4.39

No. Analyzed:

Net Weight: 0.26g

Tests: 2

• 2 Nem

Prelim: Heroin

Findings: Heroin

No. [REDACTED]

Date Analyzed:

City: Boston D.C.U. Police Dept. 09-22-11

Officer: P.O. SYBIL WHITE

Def: [REDACTED]

Amount: 1.0

Subst: TAB
Broken

No. Conf: 1 Cont: pb

Date Rec'd: 08/05/2011

Gross Wt.: 4.01

No. Analyzed:

Net Weight: 0.28g

Tests: 2 Nem

Prelim: Buprenorphine Findings: Buprenorphine

DRUG POWDER ANALYSIS FORM

SAMPLE [REDACTED]

AGENCY BostonANALYST KACNo. of samples tested: 1Evidence Wt. 0.3435g0K**PHYSICAL DESCRIPTION:**

1pb containing tan
powder

Gross Wt (): 0.3435g

Gross Wt (): _____

Pkg. Wt: 0.0789gNet Wt: 0.2646g

pb inside Cello

PRELIMINARY TESTS**Spot Tests**

Cobalt Thiocyanate () + blue
Marquis + purple
Froehde's + purple
Mecke's + green

Microcrystalline Tests

Gold Chloride _____
TLTA () _____

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS Heroin
DATE 9/14/11

GC/MS CONFIRMATORY TEST

RESULTS Heroin
MS OPERATOR NEM
DATE 9/20/11

DRUG POWDER ANALYSIS FORM

SAMPLE:

AGENCY

Boston

ANALYST

KAC

No. of samples tested:

1

Evidence Wt.

OK

PHYSICAL DESCRIPTION:

2 pieces of a broken
orange tablet

Gross Wt (): —

Gross Wt (): —

Pkg. Wt:

Net Wt:

0.2804g

PRELIMINARY TESTS

Spot Tests

Cobalt Thiocyanate () + blue-green

Marquis —

Froehde's () + purple

Mecke's —

Microcrystalline Tests

Gold Chloride —

TLTA ()

OTHER TESTS

G.C. () for Buprenorphine
Compared to Buprenorphine 8d.

PRELIMINARY TEST RESULTS

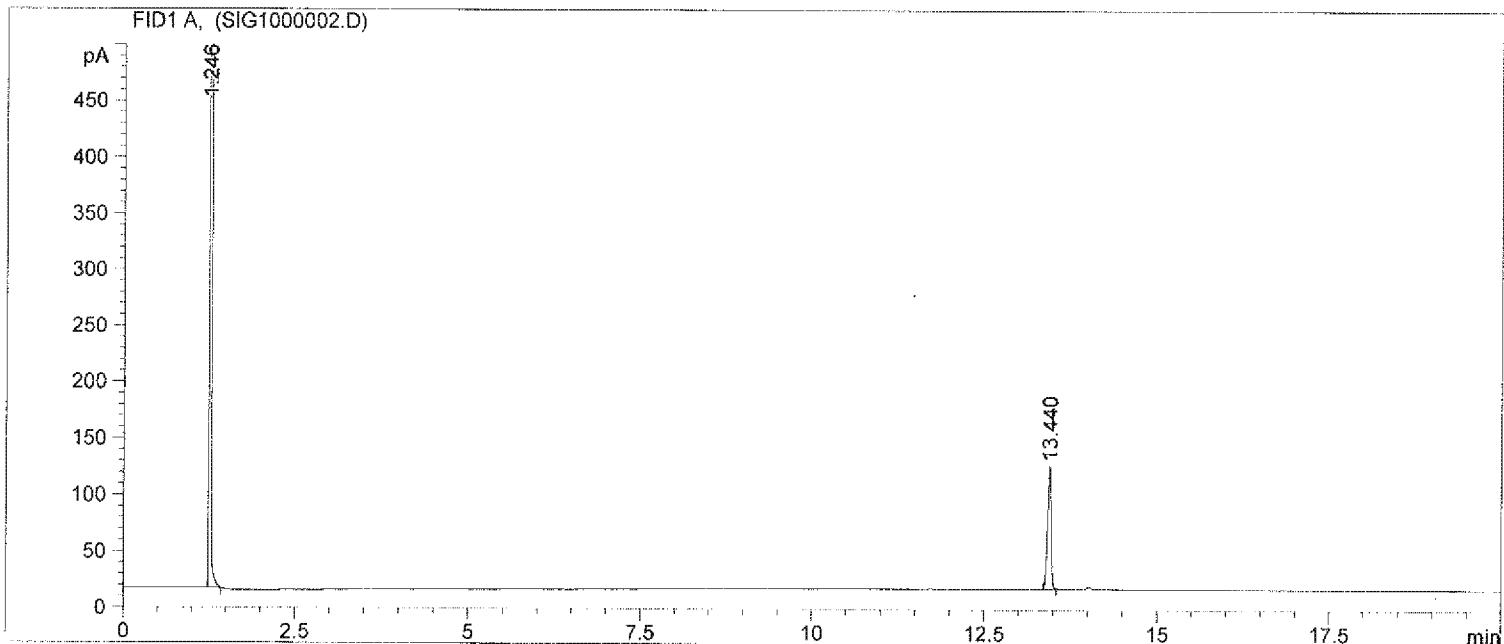
RESULTS Buprenorphine
DATE 9/19/11

GC/MS CONFIRMATORY TEST

RESULTS Buprenorphine
MS OPERATOR NEM
DATE 9/20/11

Sample Name: BUPRENORPHINE STD

```
=====
Acq. Operator   : ASD                               Seq. Line : 2
Acq. Instrument : Drug Lab GC#3                 Location  : Vial 2
Injection Date  : 9/15/2011 8:27:03 AM           Inj       : 1
                                                Inj Volume : 1 μl
Sequence File   : C:\CHEM32\1\SEQUENCE\DEFAULT.S
Method          : C:\CHEM32\1\METHODS\BUPRENORPHINE.M
Last changed    : 3/7/2011 1:14:28 PM
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By      : Retention Time
Multiplier:   : 1.0000
Dilution:     : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

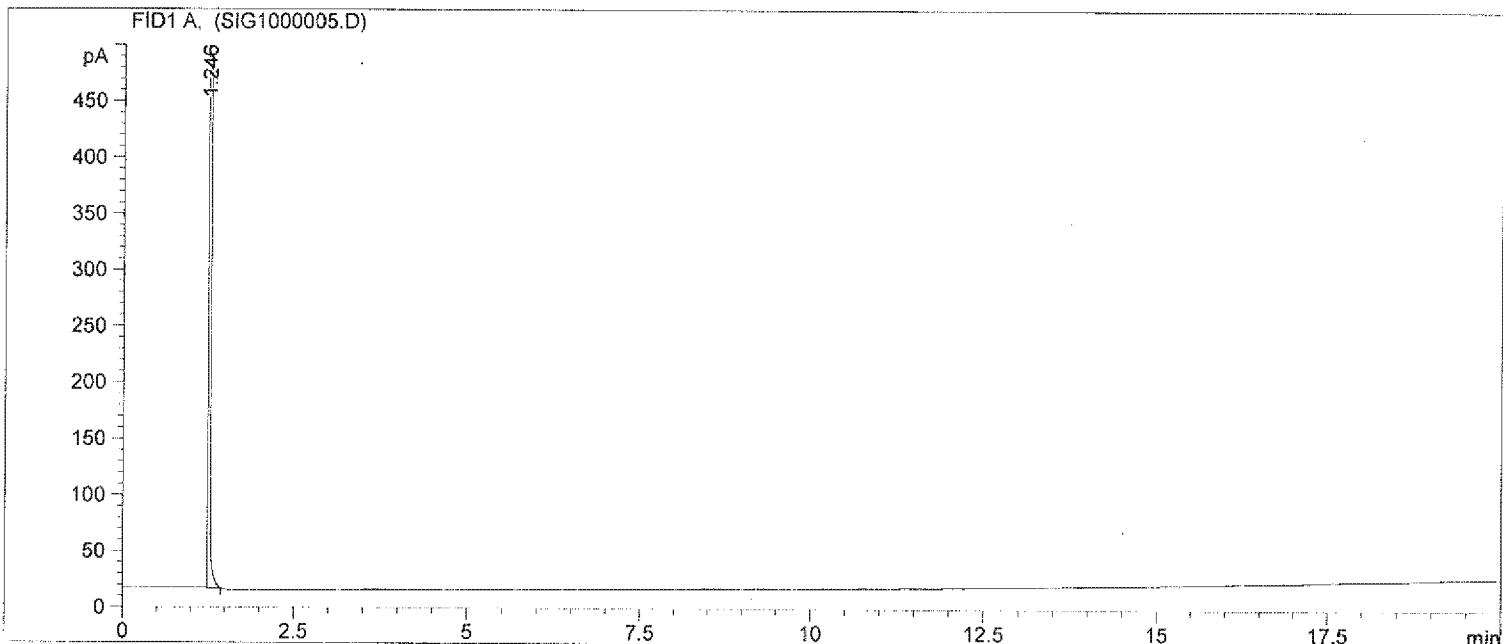
| Peak # | RetTime [min] | Sig | Type | Area [pA*s] | Height [pA] | Area % |
|--------|---------------|-----|------|-------------|-------------|----------|
| 1 | 1.246 | 1 | BB S | 8.41884e4 | 8.10632e4 | 99.53588 |
| 2 | 13.440 | 1 | BB | 392.56006 | 107.70788 | 0.46412 |

Totals : 8.45809e4 8.11709e4

```
=====
*** End of Report ***
=====
```

Sample Name: Blank

```
=====
Acq. Operator   : ASD                               Seq. Line : 5
Acq. Instrument : Drug Lab GC#3                 Location  : Vial 5
Injection Date  : 9/15/2011 9:40:03 AM           Inj       : 1
                                                Inj Volume : 1 µl
Sequence File   : C:\CHEM32\1\SEQUENCE\DEFAULT.S
Method          : C:\CHEM32\1\METHODS\BUPRENORPHINE.M
Last changed    : 3/7/2011 1:14:28 PM
=====
```



```
=====
Area Percent Report
=====
```

```
Sorted By          : Retention Time
Multiplier:      : 1.0000
Dilution:        : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

| Peak # | RetTime [min] | Sig | Type | Area [pA*s] | Height [pA] | Area % |
|--------|---------------|-----|------|-------------|-------------|---------|
| 1 | 1.246 | 1 | BB S | 7.77117e4 | 8.25105e4 | 1.000e2 |

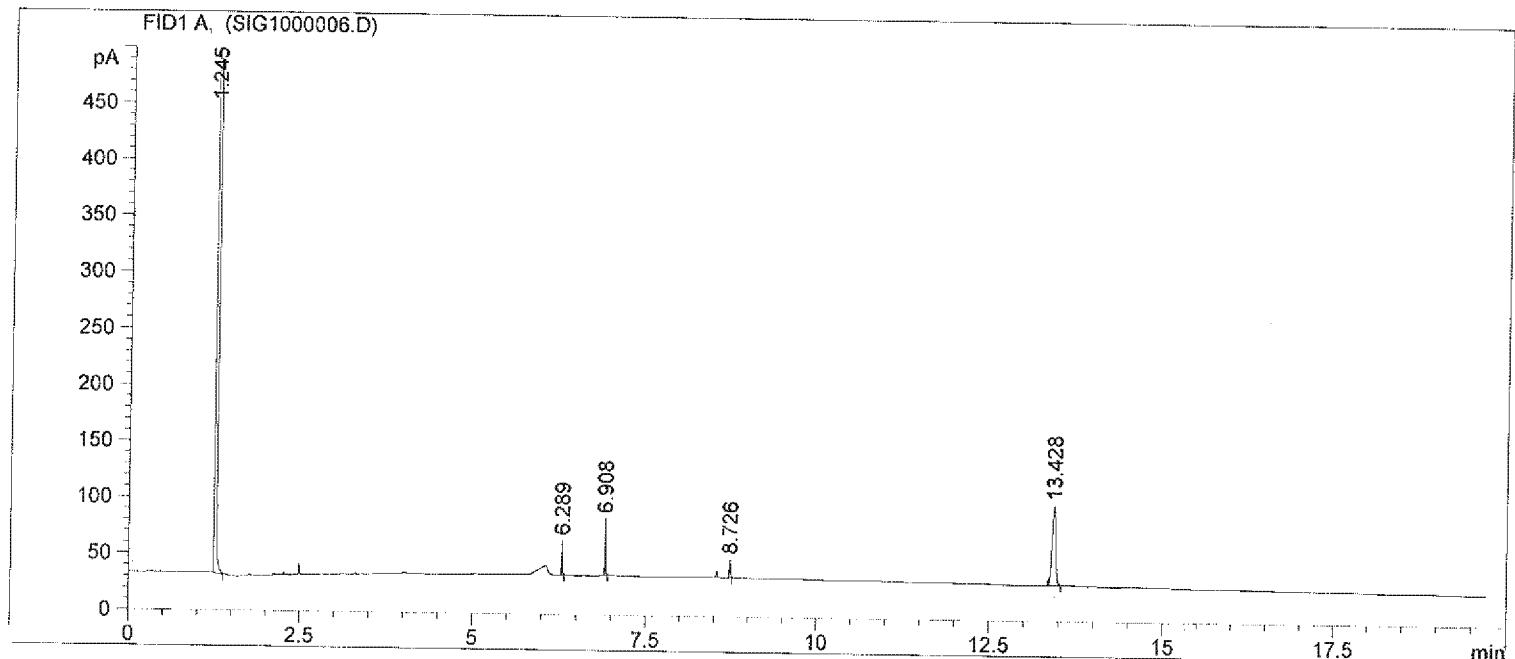
Totals : 7.77117e4 8.25105e4

```
=====
*** End of Report ***
=====
```

Sample Name: [REDACTED]

```

=====
Acq. Operator   : ASD                               Seq. Line : 6
Acq. Instrument : Drug Lab GC#3                 Location : Vial 6
Injection Date  : 9/15/2011 10:04:22 AM           Inj       : 1
                                                Inj Volume : 1 µl
Sequence File   : C:\CHEM32\1\SEQUENCE\DEFAULT.S
Method          : C:\CHEM32\1\METHODS\BUPRENORPHINE.M
Last changed    : 3/7/2011 1:14:28 PM
=====
```



Area Percent Report

```

Sorted By      : Retention Time
Multiplier:   : 1.0000
Dilution:     : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs
=====
```

Signal 1: FID1 A,

| Peak # | RetTime [min] | Sig | Type | Area [pA*s] | Height [pA] | Area % |
|--------|---------------|-----|------|-------------|-------------|----------|
| 1 | 1.245 | 1 | BB S | 8.10187e4 | 7.77154e4 | 99.58599 |
| 2 | 6.289 | 1 | BB | 24.56930 | 30.69967 | 0.03020 |
| 3 | 6.908 | 1 | BB | 40.49729 | 50.24115 | 0.04978 |
| 4 | 8.726 | 1 | BB | 18.45243 | 15.67116 | 0.02268 |
| 5 | 13.428 | 1 | BB | 253.30182 | 70.55910 | 0.31135 |

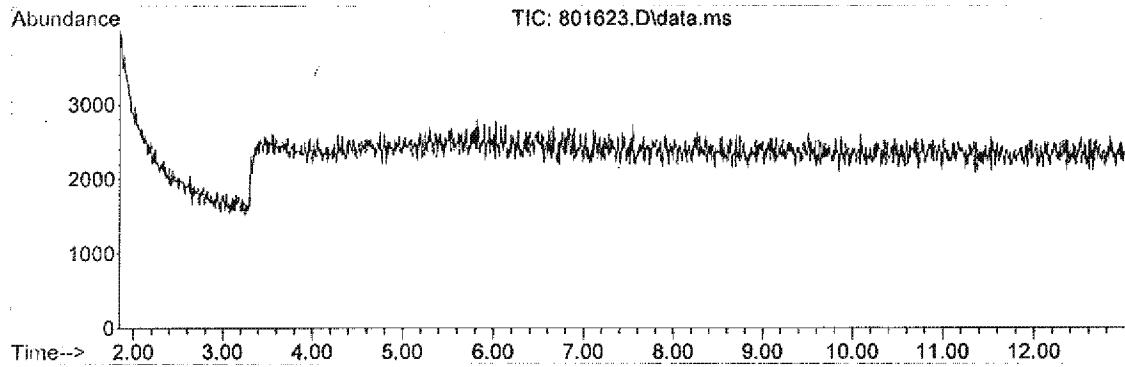
Totals : 8.13555e4 7.78825e4

*** End of Report ***

10/27/11
NEM ✓

Information from Data File:

File Name : K:\09_20_11\801623.D
Operator : NEM
Date Acquired : 20 Sep 2011 15:23
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

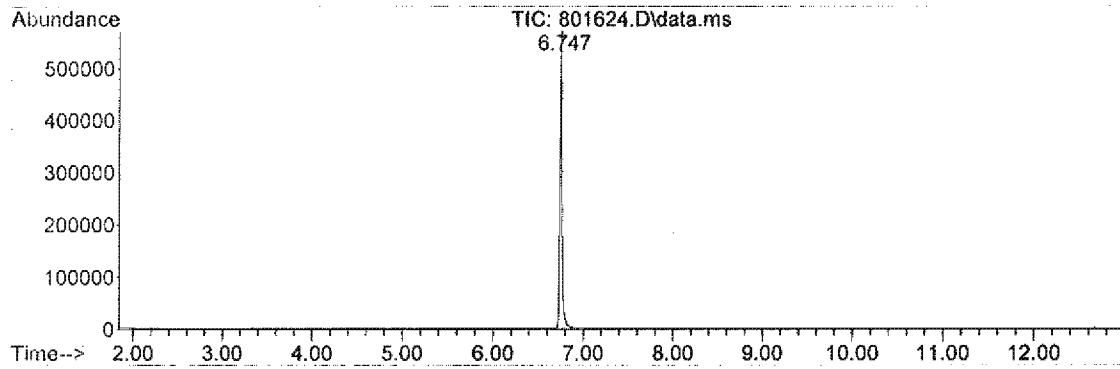


| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Information from Data File:

File Name : K:\09_20_11\801624.D
Operator : NEM
Date Acquired : 20 Sep 2011 15:40
Sample Name : HEROIN STD
Submitted by :
Vial Number : 24
AcquisitionMeth: DRUGS.M
Integrator : RTE



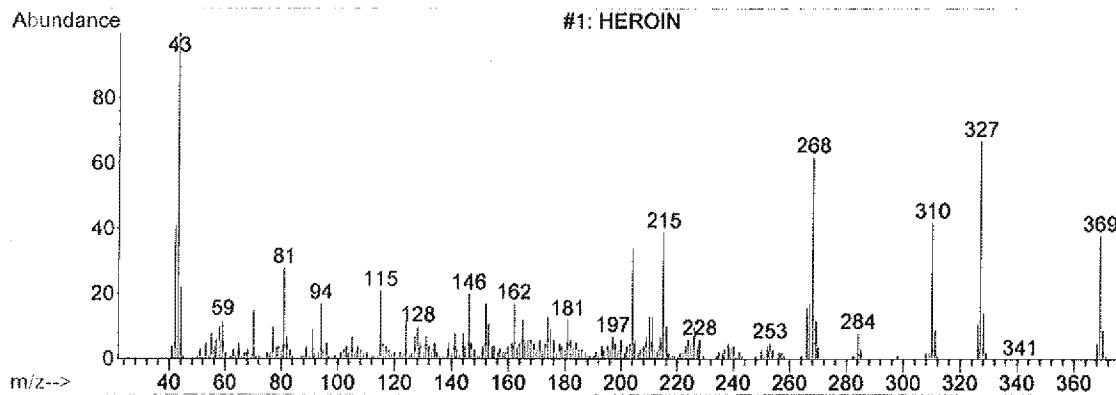
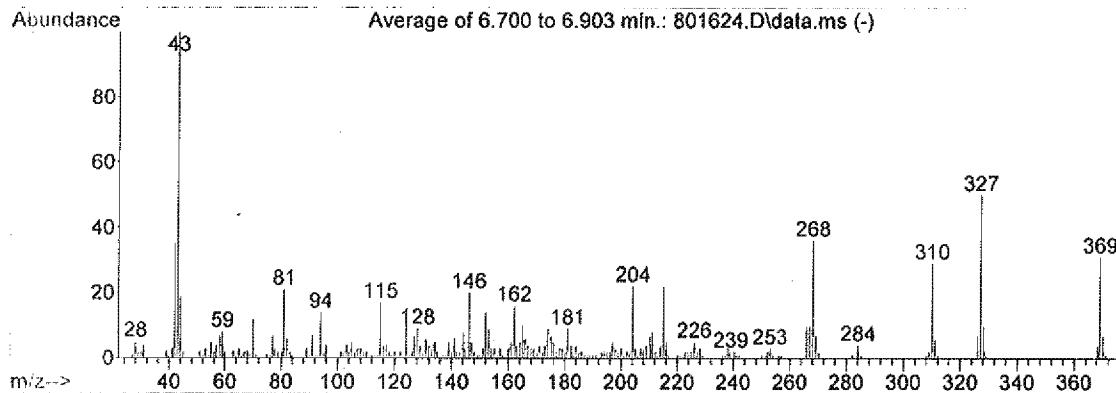
| Ret. Time | Area | Area % | Ratio % |
|-----------|--------|--------|---------|
| 6.747 | 916221 | 100.00 | 100.00 |

Information from Data File:

File Name : K:\09_20_11\801624.D
Operator : NEM
Date Acquired : 20 Sep 2011 15:40
Sample Name : HEROIN STD
Submitted by :
Vial Number : 24
AcquisitionMeth: DRUGS.M
Integrator : RTE

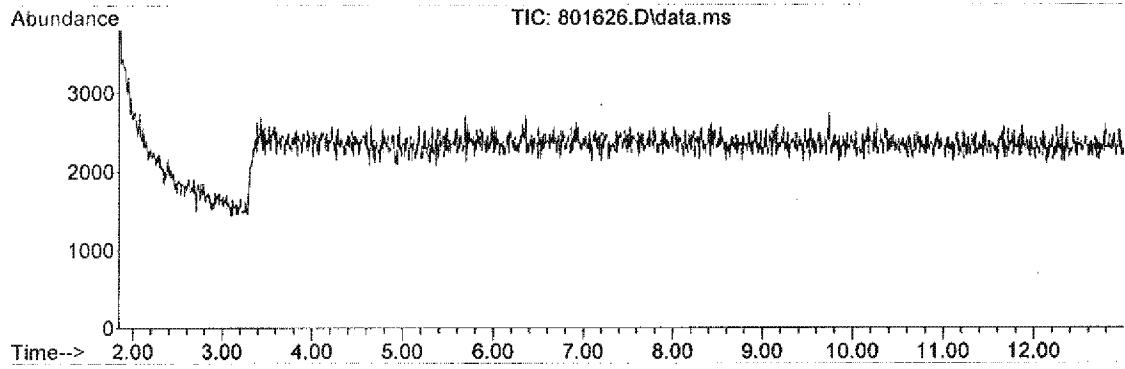
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------------|-------------|------|
| 1 | 6.75 | C:\Database\SLI.L HEROIN | 000561-27-3 | 99 |



Information from Data File:

File Name : K:\09_20_11\801626.D
Operator : NEM
Date Acquired : 21 Sep 2011 7:07
Sample Name : BLANK
Submitted by : KAC
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



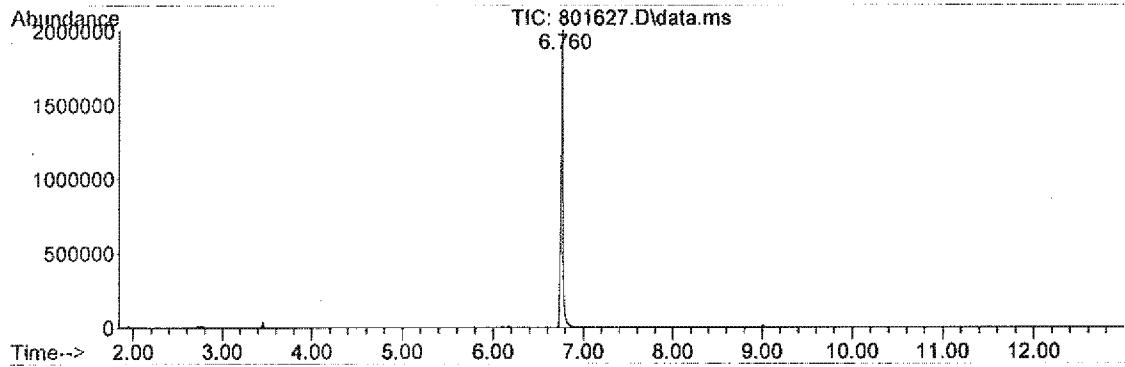
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : K:\09_20_11\801627.D
Operator : NEM
Date Acquired : 21 Sep 2011 7:23
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 27
AcquisitionMeth: DRUGS.M
Integrator : RTE



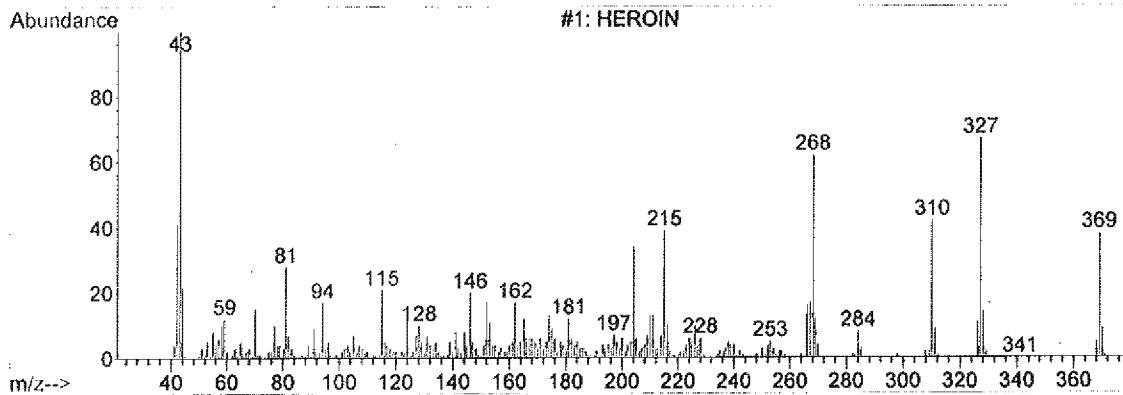
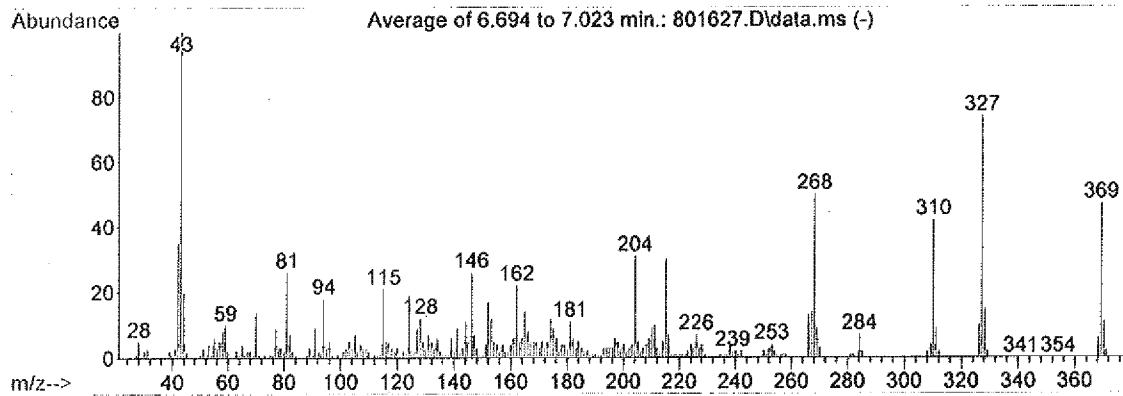
| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 6.760 | 3327313 | 100.00 | 100.00 |

Information from Data File:

File Name : K:\09_20_11\801627.D
Operator : NEM
Date Acquired : 21 Sep 2011 7:23
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 27
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

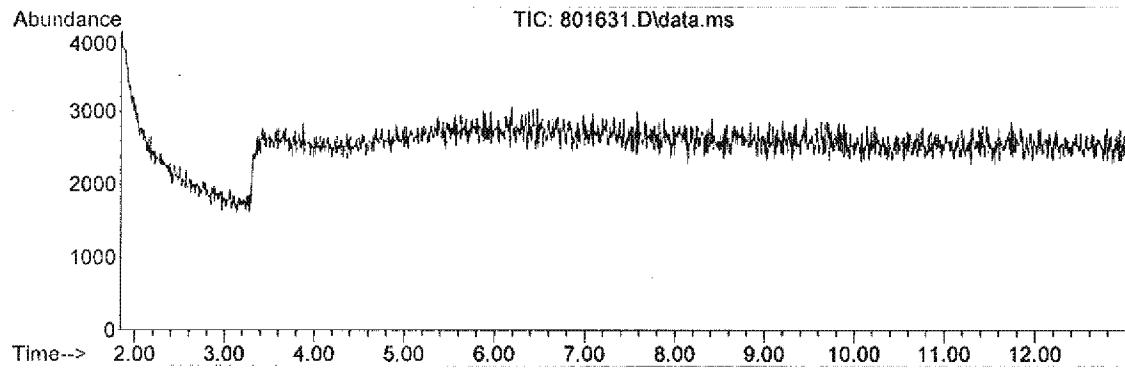
| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------------|-------------|------|
| 1 | 6.76 | C:\Database\SLI.L HEROIN | 000561-27-3 | 99 |



Area Percent / Library Search Report

Information from Data File:

File Name : K:\09_20_11\801631.D
Operator : NEM
Date Acquired : 21 Sep 2011 8:22
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



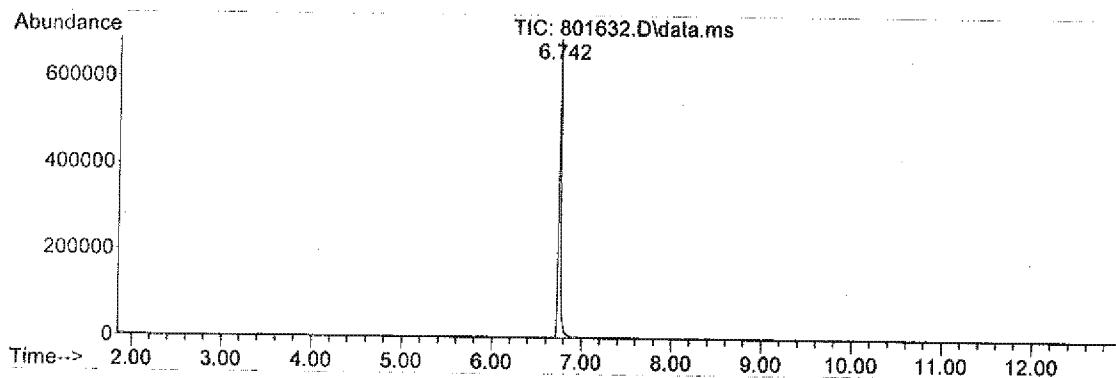
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : K:\09_20_11\801632.D
Operator : NEM
Date Acquired : 21 Sep 2011 8:38
Sample Name : HEROIN STD
Submitted by :
Vial Number : 24
AcquisitionMeth: DRUGS.M
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 6.742 | 1124626 | 100.00 | 100.00 |

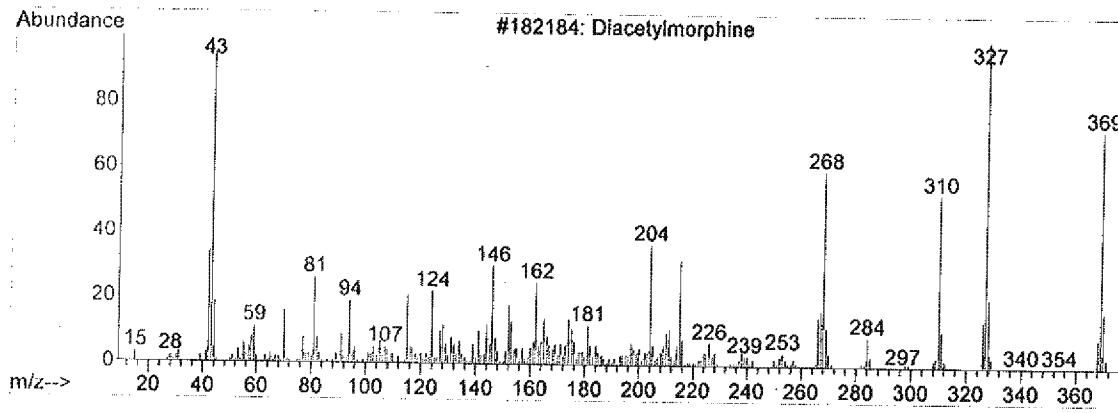
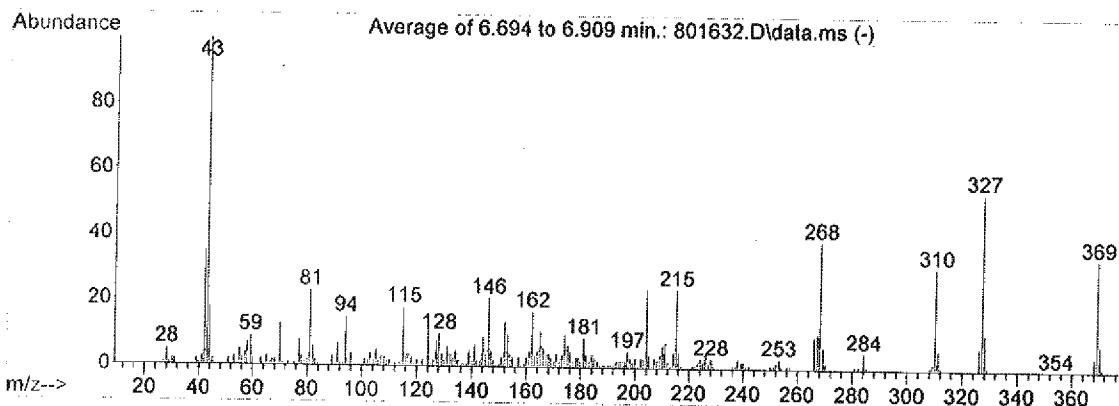
Area Percent / Library Search Report

Information from Data File:

File Name : K:\09_20_11\801632.D
 Operator : NEM
 Date Acquired : 21 Sep 2011 8:38
 Sample Name : HEROIN STD
 Submitted by :
 Vial Number : 24
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|----------------------|-------------|------|
| 1 | 6.74 | C:\Database\NIST08.L | | |
| | | Diacetylmorphine | 000561-27-3 | 99 |
| | | Diacetylmorphine | 000561-27-3 | 99 |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |



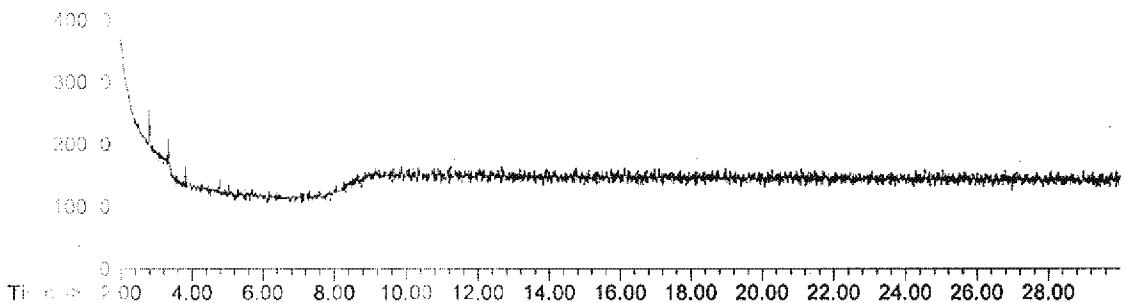
10/27//
NEM ✓

Information from Data File:

File Name : K:\09_20_11\801634.D
Operator : NEM
Date acquired : 21 Sep 2011 9:10
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: WSCREEN.M
Integrator : RTE

Atmospheric

TIC: 801634.D\data.ms



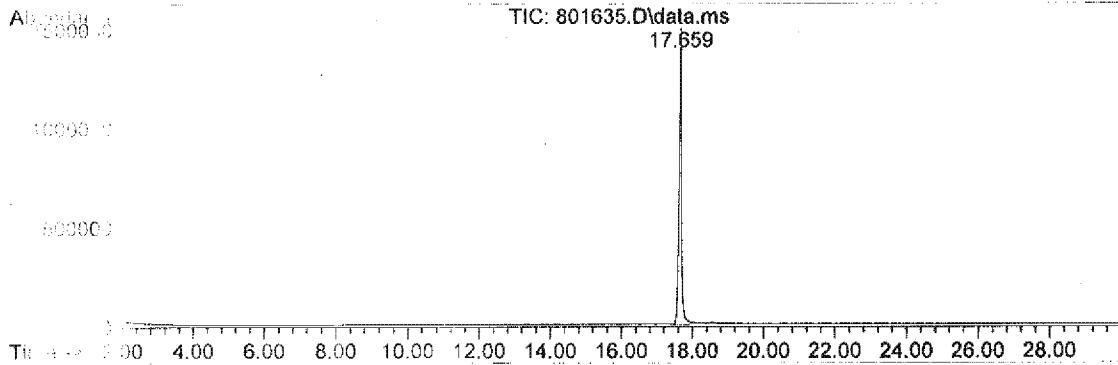
| Ref. Name | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

END INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : K:\09_20_11\801635.D
Operator : NEM
Date Acquired : 21 Sep 2011 9:43
Sample Name : BUPRENORPHINE STD
Submitted by :
Vial Number : 35
AcquisitionMeth: WSCREEN.M
Integrator : RTE



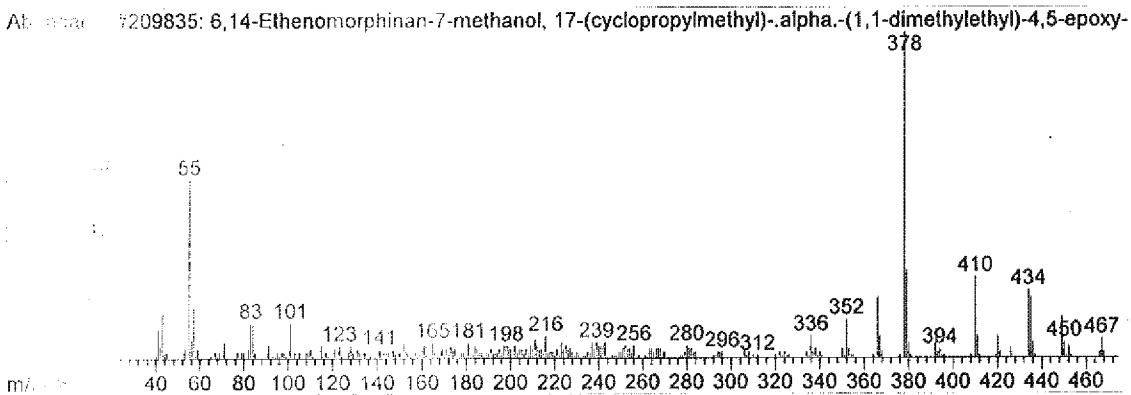
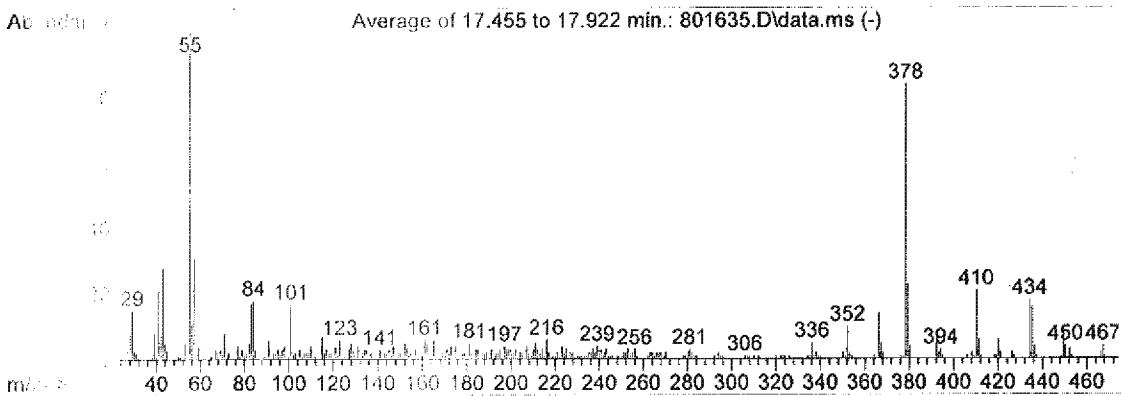
| Retention Time | Area | Area % | Ratio % |
|----------------|---------|--------|---------|
| 17.65 | 7054212 | 100.00 | 100.00 |

Information from Data File:

File Name : K:\09_20_11\801635.D
 Operator : NEM
 Date Acquired : 21 Sep 2011 9:43
 Sample Name : BUPRENORPHINE STD
 Submitted by :
 Vial Number : 35
 AcquisitionMeth: WSCREEN.M
 Integrator : RTE

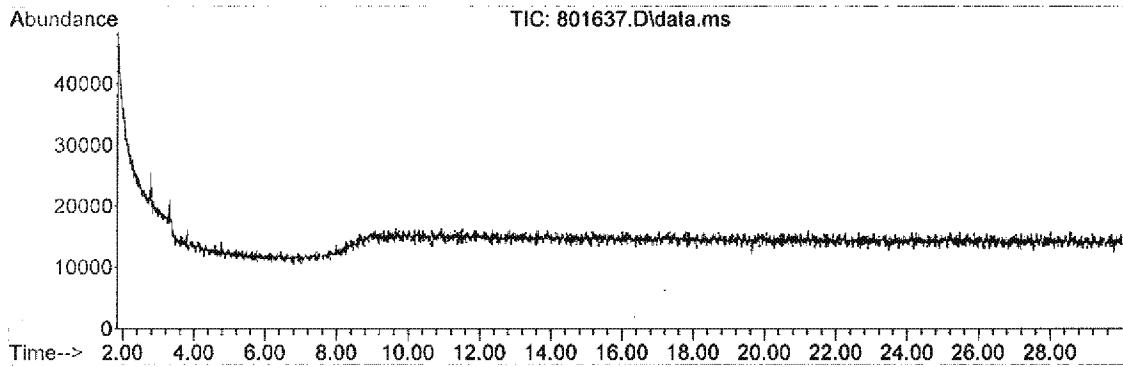
Scanned Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|-------|-------------------------------------|-------------|------|
| 1 | 17.66 | C:\Database\NIST08.L | | |
| | | 6,14-Ethenomorphinan-7-methanol, 17 | 052485-79-7 | 99 |
| | | 6,14-Ethenomorphinan-7-methanol, 17 | 052485-79-7 | 99 |
| | | 6,14-Ethenomorphinan-7-methanol, 17 | 052485-79-7 | 95 |



Information from Data File:

File Name : K:\09_20_11\801637.D
Operator : NEM
Date Acquired : 21 Sep 2011 10:49
Sample Name : BLANK
Submitted by : KAC
Vial Number : 1
AcquisitionMeth: WSCREEN.M
Integrator : RTE

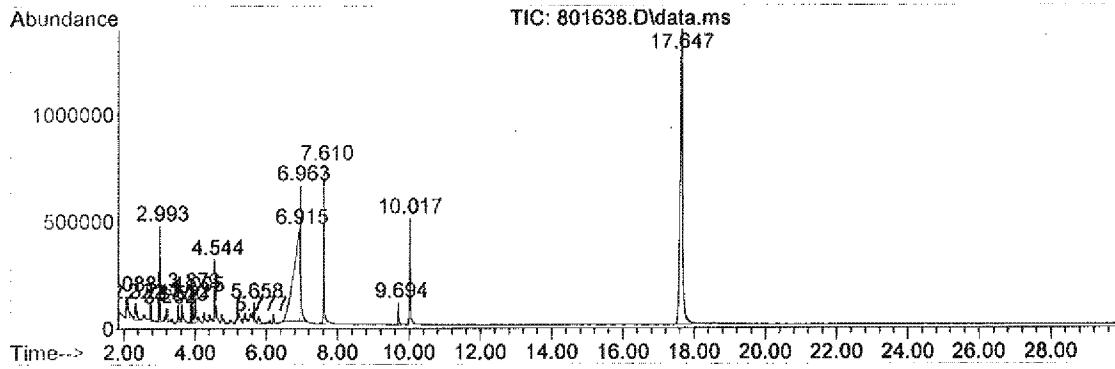


| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Information from Data File:

File Name : K:\09_20_11\801638.D
Operator : NEM
Date Acquired : 21 Sep 2011 11:22
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 38
AcquisitionMeth: WSCREEN.M
Integrator : RTE



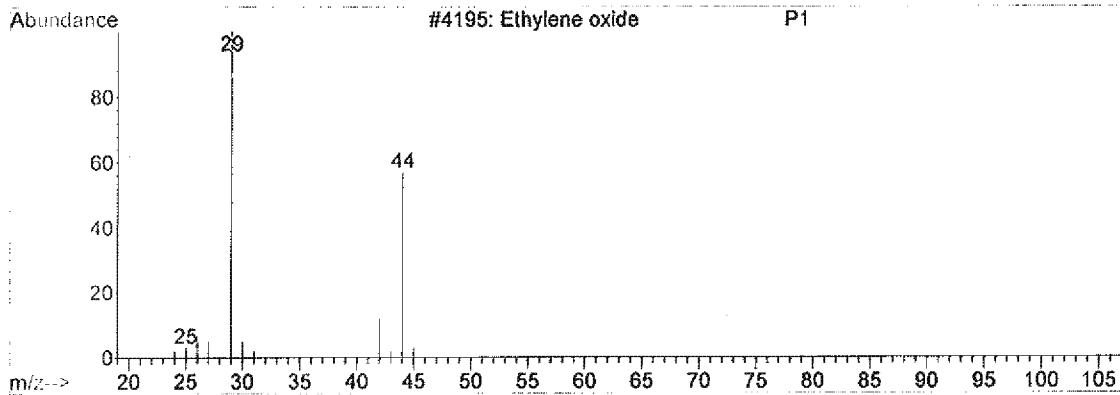
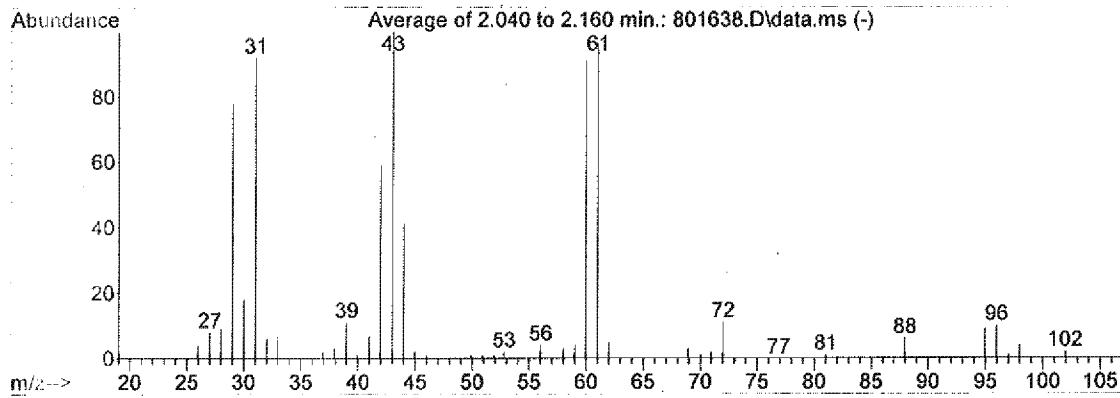
| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 2.088 | 383645 | 2.14 | 5.57 |
| 2.322 | 277956 | 1.55 | 4.03 |
| 2.747 | 131827 | 0.74 | 1.91 |
| 2.993 | 646917 | 3.62 | 9.39 |
| 3.202 | 134327 | 0.75 | 1.95 |
| 3.520 | 161251 | 0.90 | 2.34 |
| 3.621 | 183167 | 1.02 | 2.66 |
| 3.873 | 136278 | 0.76 | 1.98 |
| 3.927 | 181306 | 1.01 | 2.63 |
| 4.005 | 188355 | 1.05 | 2.73 |
| 4.544 | 350546 | 1.96 | 5.09 |
| 5.658 | 138518 | 0.77 | 2.01 |
| 5.777 | 124799 | 0.70 | 1.81 |
| 6.915 | 5139044 | 28.72 | 74.59 |
| 6.963 | 871766 | 4.87 | 12.65 |
| 7.610 | 886737 | 4.96 | 12.87 |
| 9.694 | 170366 | 0.95 | 2.47 |
| 10.017 | 894915 | 5.00 | 12.99 |
| 17.647 | 6890006 | 38.51 | 100.00 |

Information from Data File:

File Name : K:\09_20_11\801638.D
Operator : NEM
Date Acquired : 21 Sep 2011 11:22
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 38
AcquisitionMeth: WSCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|------------------------|-------------|------|
| 1 | 2.09 | C:\Database\PMW_TOX2.L | | |
| | | Ethylene oxide | 000075-21-8 | 9 |
| | | Acetic acid | 000064-19-7 | 4 |
| | | Disulfiram | 000097-77-8 | 2 |

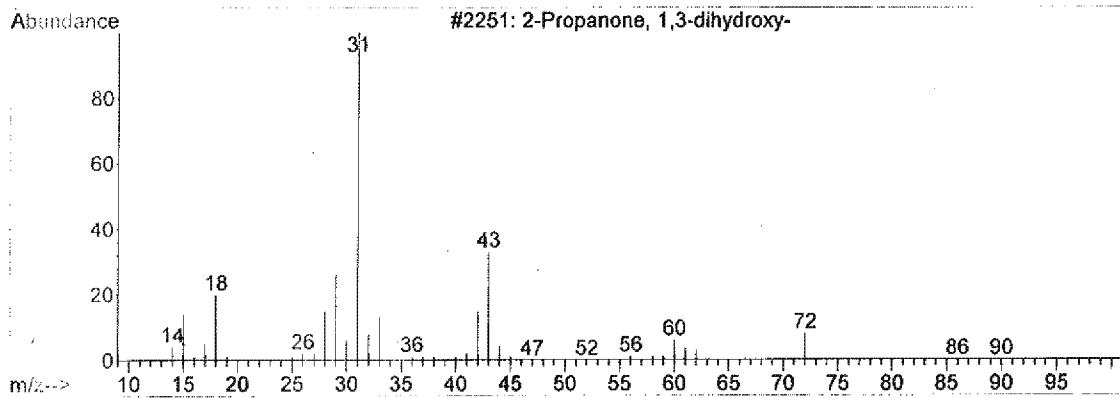
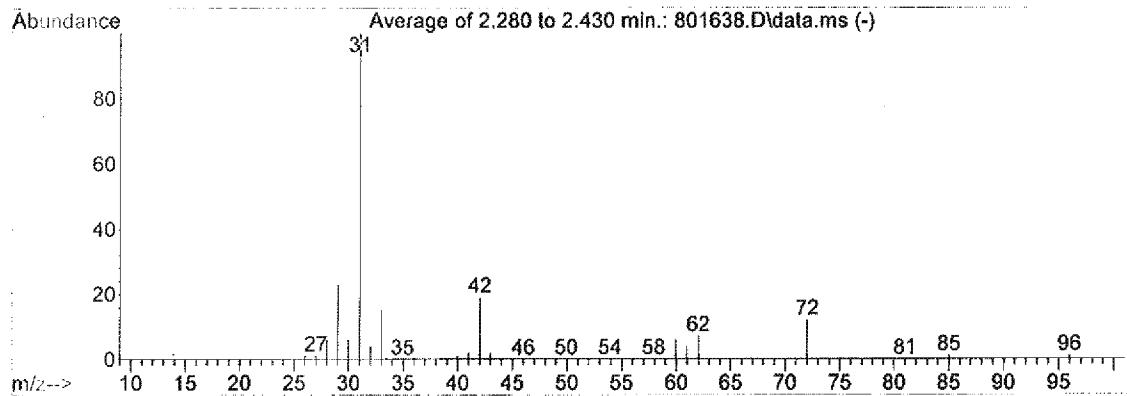


Information from Data File:

File Name : K:\09_20_11\801638.D
Operator : NEM
Date Acquired : 21 Sep 2011 11:22
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 38
AcquisitionMeth: WSCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------------|-------------|------|
| 2 | 2.32 | C:\Database\NIST08.L | | |
| | | 2-Propanone, 1,3-dihydroxy- | 000096-26-4 | 83 |
| | | 1,2-Ethanediol | 000107-21-1 | 40 |
| | | 1,3-Dihydroxyacetone dimer | 062147-49-3 | 38 |

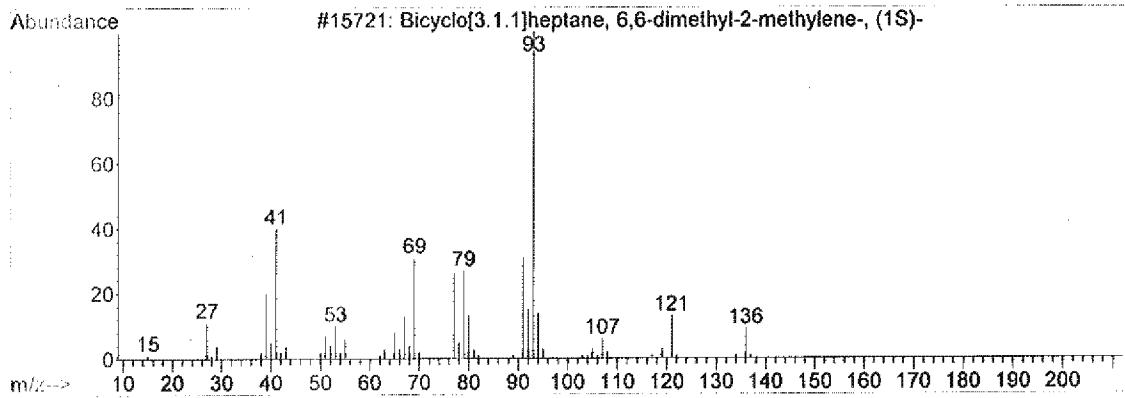
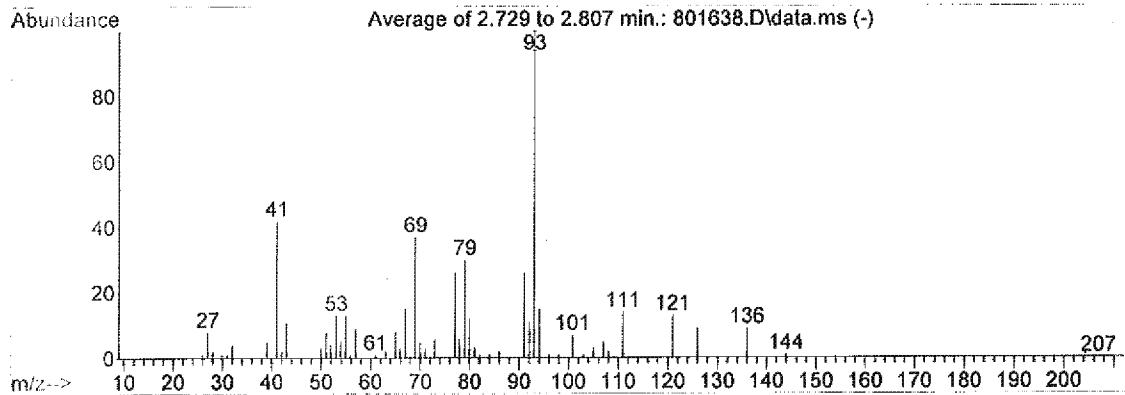


Information from Data File:

File Name : K:\09_20_11\801638.D
Operator : NEM
Date Acquired : 21 Sep 2011 11:22
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 38
AcquisitionMeth: WSCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|-------------|------|
| 3 | 2.75 | C:\Database\NIST08.L | | |
| | | Bicyclo[3.1.1]heptane, 6,6-dimethyl | 018172-67-3 | 95 |
| | | .beta.-Pinene | 000127-91-3 | 93 |
| | | .beta.-Pinene | 000127-91-3 | 93 |

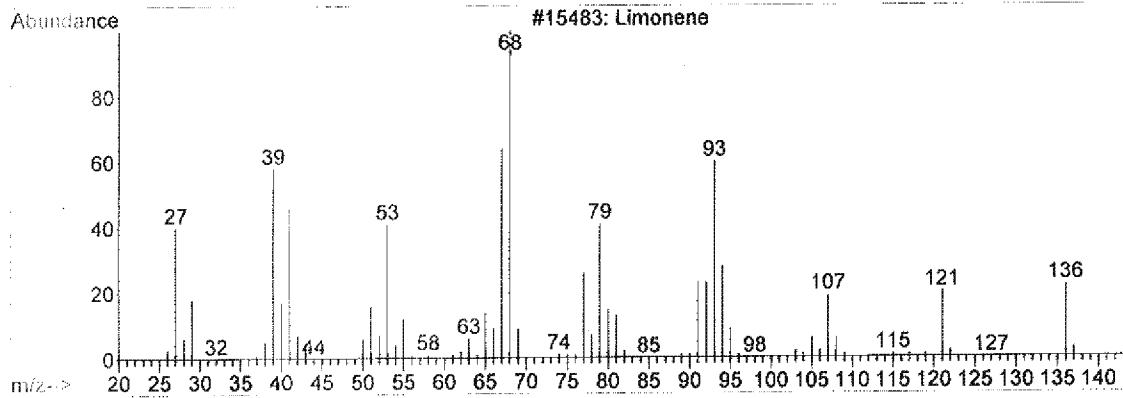
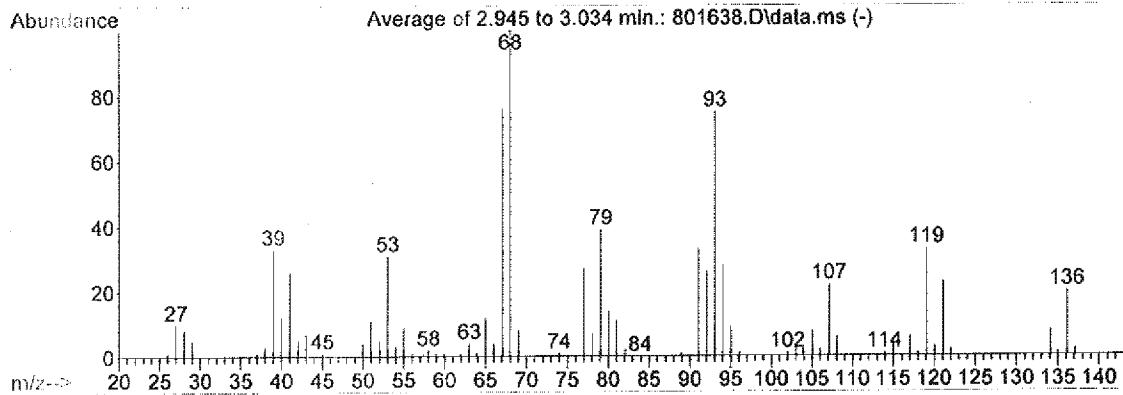


Information from Data File:

File Name : K:\09_20_11\801638.D
Operator : NEM
Date Acquired : 21 Sep 2011 11:22
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 38
AcquisitionMeth: WSCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|----------------------|-------------|------|
| 4 | 2.99 | C:\Database\NIST08.L | | |
| | | Limonene | 000138-86-3 | 94 |
| | | D-Limonene | 005989-27-5 | 93 |
| | | D-Limonene | 005989-27-5 | 93 |



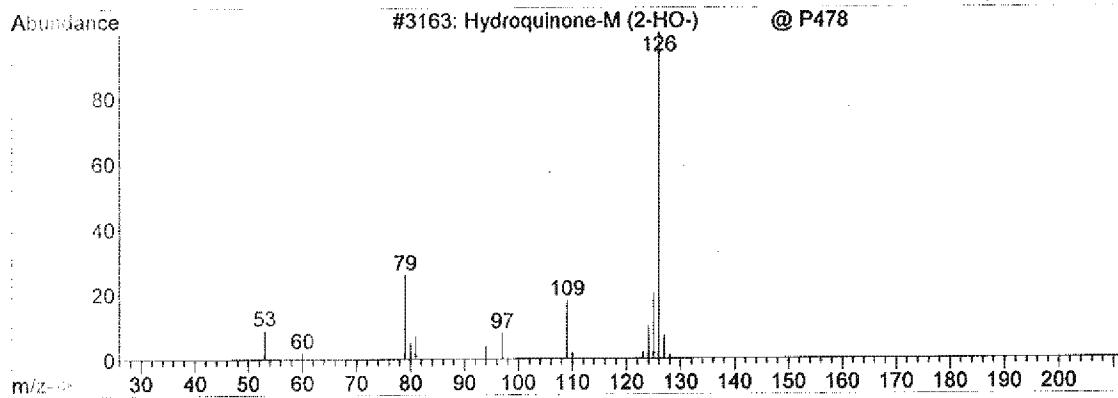
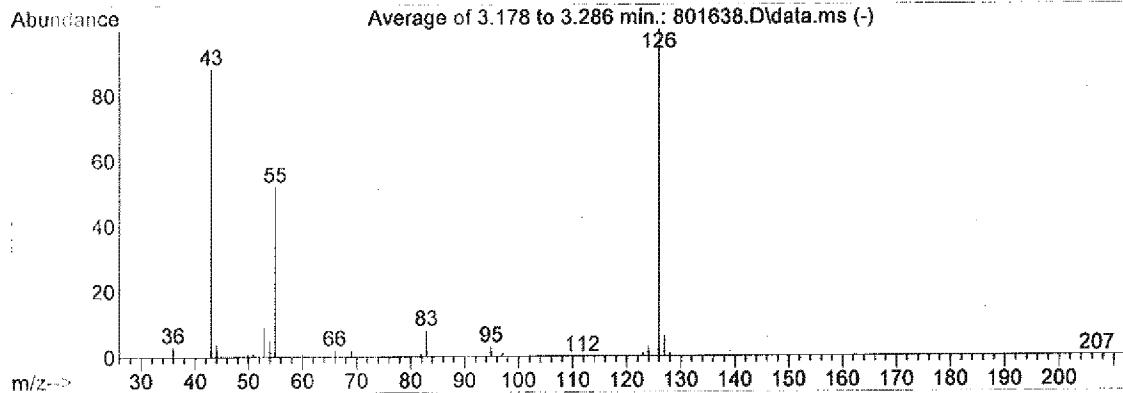
Area Percent / Library Search Report

Information from Data File:

File Name : K:\09_20_11\801638.D
 Operator : NEM
 Date Acquired : 21 Sep 2011 11:22
 Sample Name : XXXXXXXXXX
 Submitted by : KAC
 Vial Number : 38
 AcquisitionMeth: WSCREEN.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|---------------------------|---------------|------|
| 5 | 3.20 | C:\Database\PMW_TOX2.L | | |
| | | Hydroquinone-M (2-HO-) | @ 000533-73-3 | 4 |
| | | Perhexiline-M (HO-) 2AC | 000000-00-0 | 4 |
| | | Prolintane-M (HO-phenyl-) | 000000-00-0 | 2 |



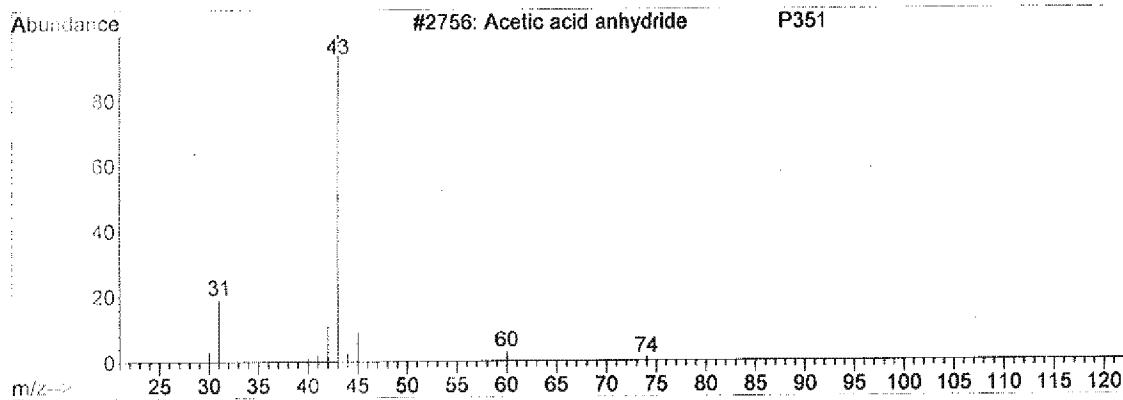
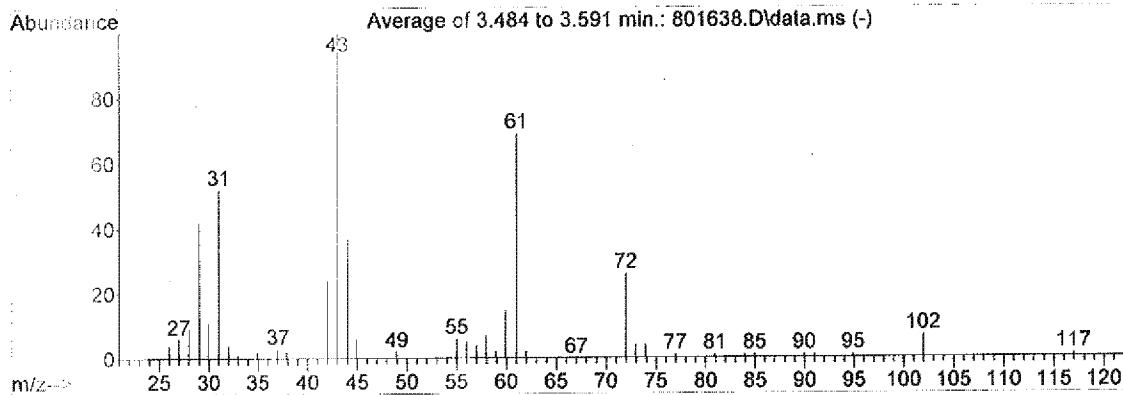
Area Percent / Library Search Report

Information from Data File:

File Name : K:\09_20_11\801638.D
Operator : NEM
Date Acquired : 21 Sep 2011 11:22
Sample Name : XXXXXXXXXX
Submitted by : RAC
Vial Number : 38
AcquisitionMeth: WSCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|------------------------|---------------|------|
| 6 | 3.52 | C:\Database\PMW_TOX2.L | | |
| | | Acetic acid anhydride | 000108-24-7 | 9 |
| | | Monolinuron | 001746-81-2 | 2 |
| | | Ethylacetate | @ 000141-78-6 | 2 |

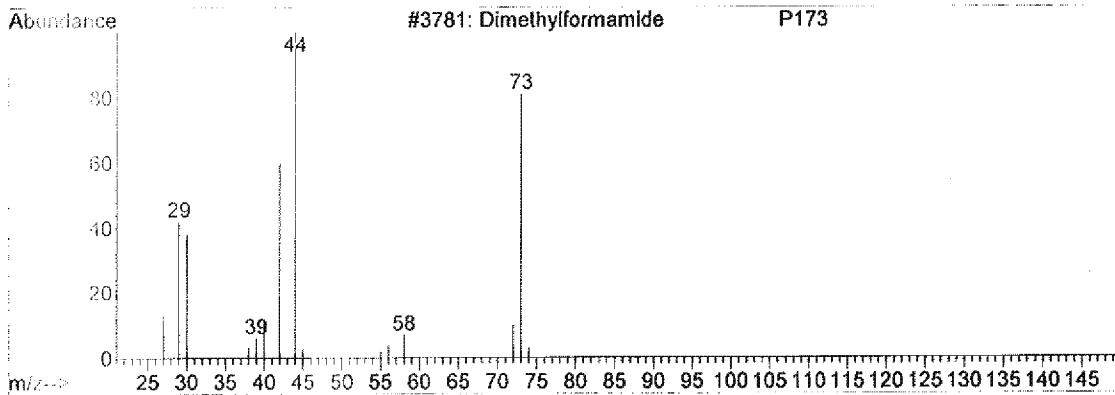
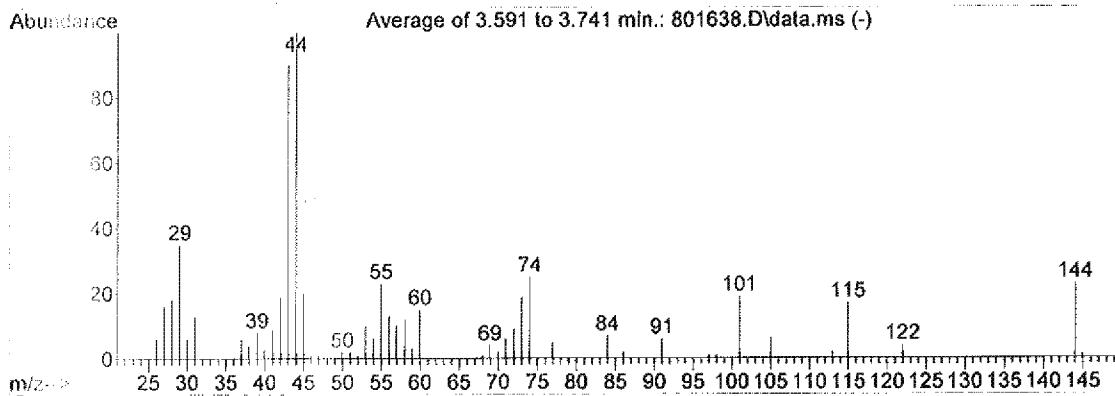


Information from Data File:

File Name : K:\09_20_11\801638.D
Operator : NEM
Date Acquired : 21 Sep 2011 11:22
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 38
AcquisitionMeth: WSCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|--------------------------------|-------------|------|
| 7 | 3.62 | C:\Database\PMW_TOX2.L | | |
| | | Dimethylformamide | 000068-12-2 | 17 |
| | | PCDI precursor (dimethylamine) | 000124-40-3 | 5 |
| | | Air with Helium and Water | 000000-00-0 | 1 |



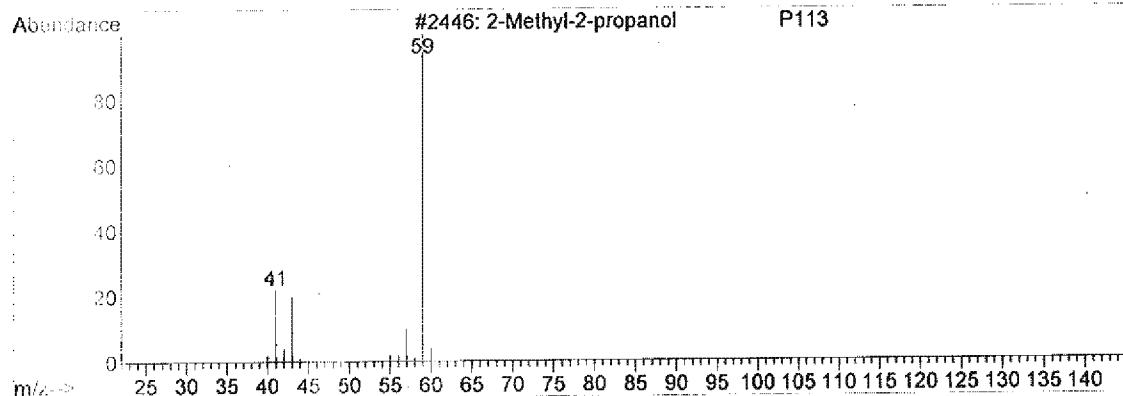
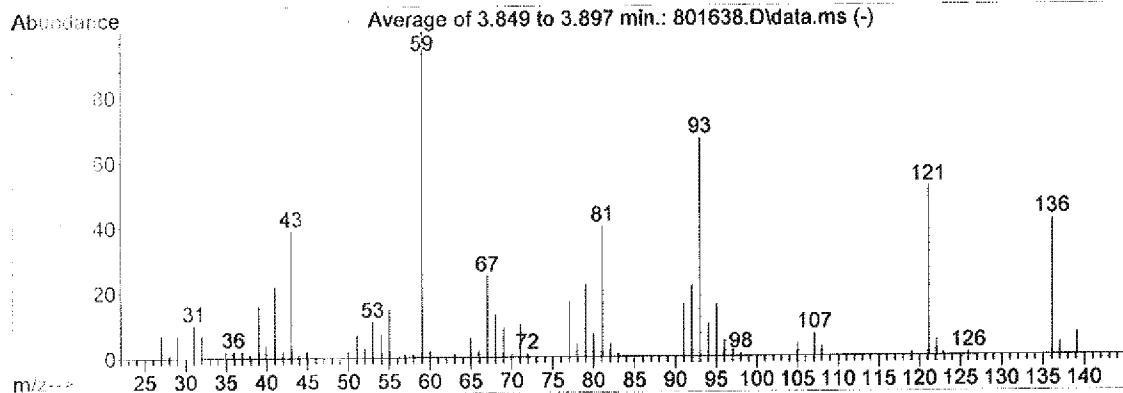
Area Percent / Library Search Report

Information from Data File:

File Name : K:\09_20_11\801638.D
Operator : NEM
Date Acquired : 21 Sep 2011 11:22
Sample Name : XXXXXXXXXX
Submitted by : RAC
Vial Number : 38
AcquisitionMeth: WSCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PIC# | RT | Library/ID | CAS# | Qual |
|------|------|------------------------|-------------|------|
| 8 | 3.87 | C:\Database\PMW_TOX2.L | | |
| | | 2-Methyl-2-propanol | 000075-65-0 | 4 |
| | | Trimethadion-M (nor-) | 000000-00-0 | 2 |
| | | Diethylether | 000060-29-7 | 1 |



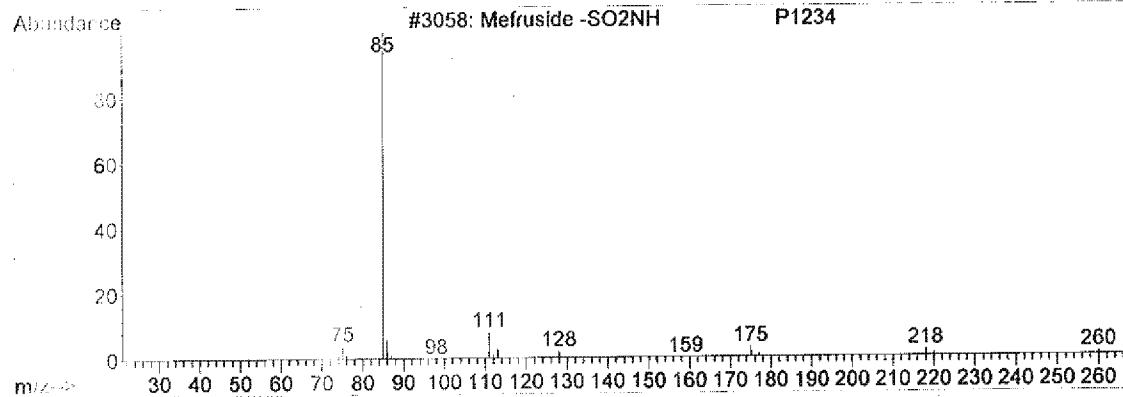
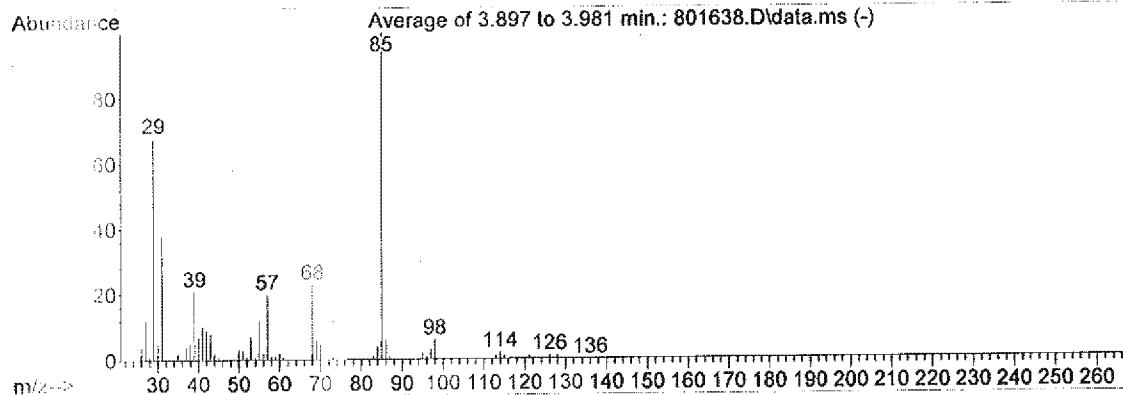
Area Percent / Library Search Report

Information from Data File:

File Name : K:\09_20_11\801638.D
Operator : NEM
Date Acquired : 21 Sep 2011 11:22
Sample Name : [REDACTED]
Submitted by : KAC
Vial Number : 38
AcquisitionMeth: WSCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|------------------------|-------------|------|
| 9 | 3.93 | C:\Database\PMW_TOX2.L | | |
| | | Mefruside -SO2NH | 000000-00-0 | 2 |
| | | Mefruside ME | 000000-00-0 | 1 |
| | | Mefruside 2ME | 000000-00-0 | 1 |



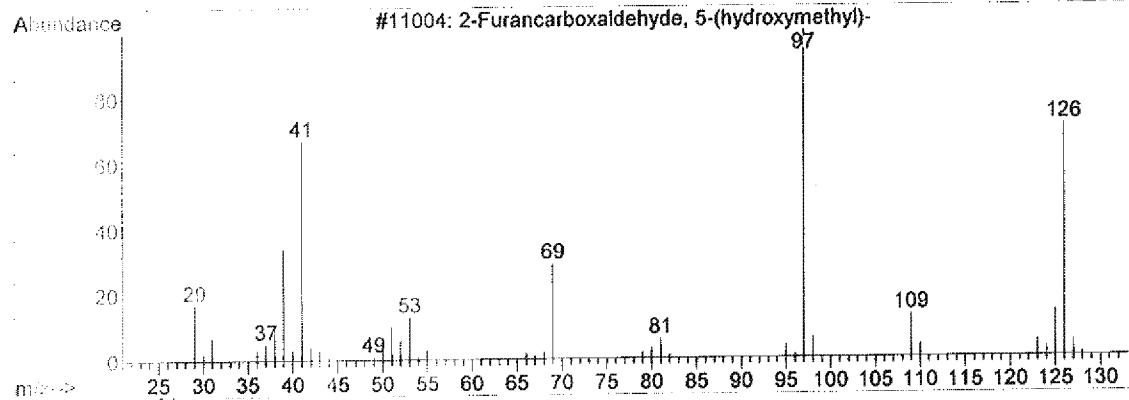
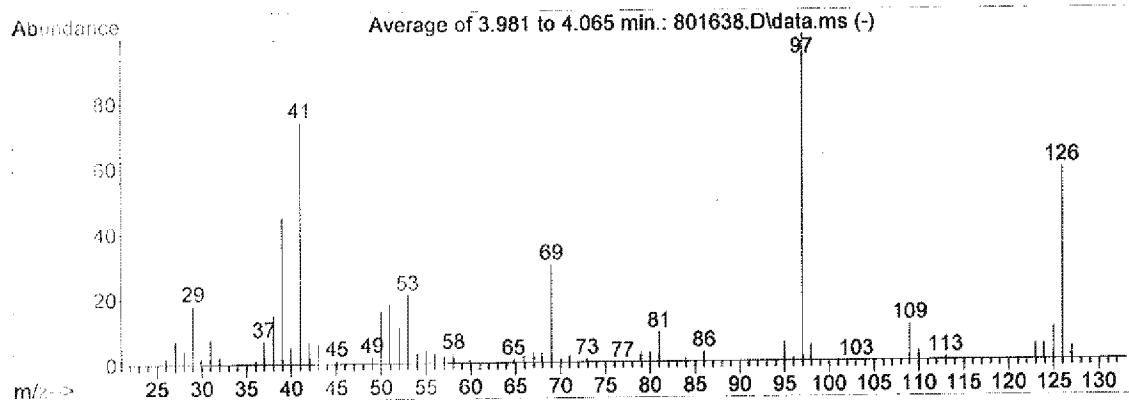
Area Percent / Library Search Report

Information from Data File:

File Name : K:\09_20_11\801638.D
Operator : NEM
Date Acquired : 21 Sep 2011 11:22
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 38
AcquisitionMeth: WSCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|---|-------------|------|
| 10 | 4.00 | C:\Database\NIST08.L | | |
| | | 2-Furancarboxaldehyde, 5-(hydroxymethyl)- | 000067-47-0 | 81 |
| | | 2-Furancarboxaldehyde, 5-(hydroxymethyl)- | 000067-47-0 | 49 |
| | | 1H-Pyrazole, 4,5-dihydro-3-methyl-1- | 026964-49-8 | 37 |



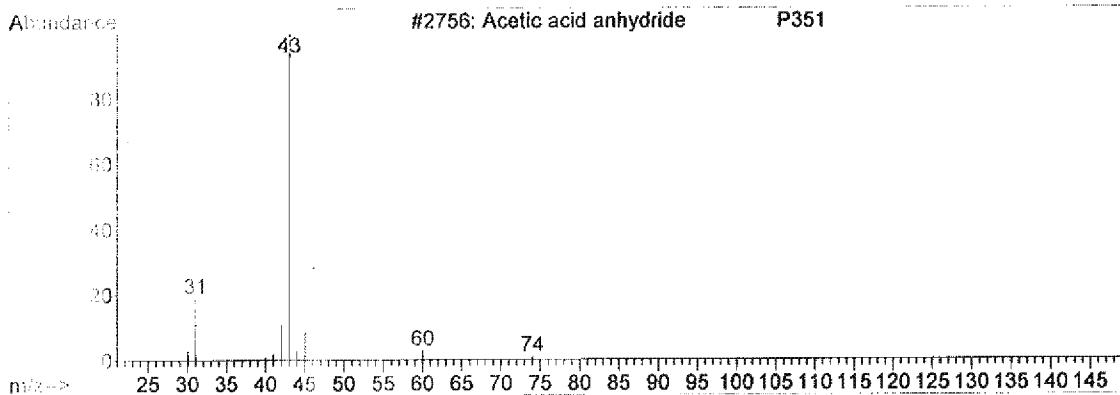
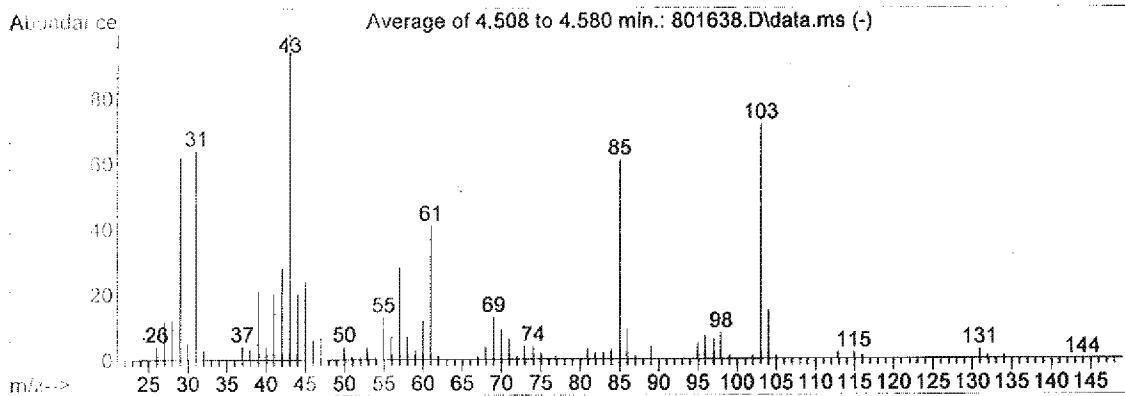
Area Percent / Library Search Report

Information from Data File:

File Name : K:\09_20_11\801638.D
Operator : NEM
Date Acquired : 21 Sep 2011 11:22
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 38
AcquisitionMeth: WSCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|------------------------|-------------|------|
| 11 | 4.54 | C:\Database\PMW_TOX2.L | | |
| | | Acetic acid anhydride | 000108-24-7 | 9 |
| | | Nifenalol artifact | 000000-00-0 | 2 |
| | | Mefruside -SO2NH | 000000-00-0 | 2 |



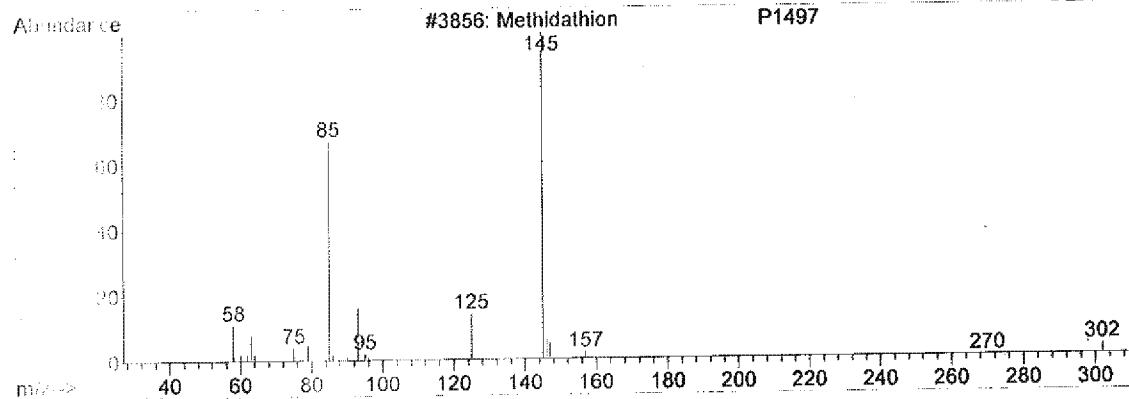
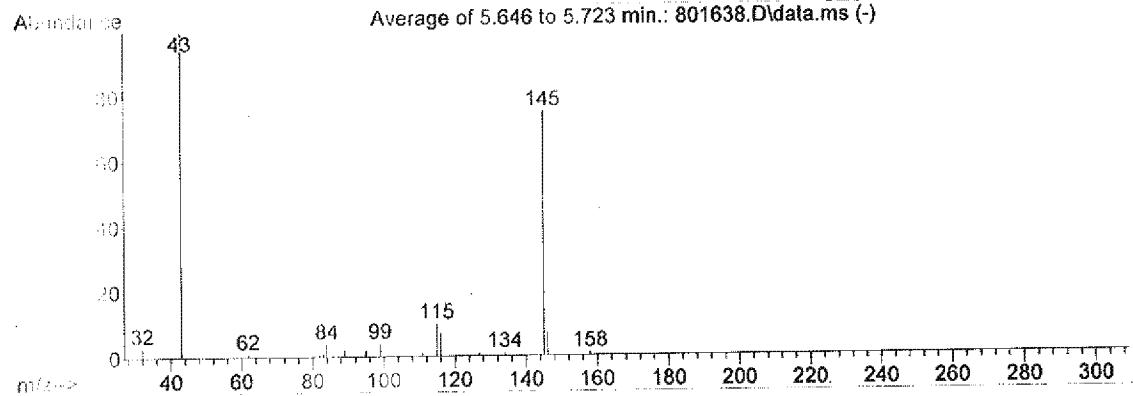
Area Percent / Library Search Report

Information from Data File:

File Name : K:\09_20_11\801638.D
Operator : NEM
Date Acquired : 21 Sep 2011 11:22
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 38
AcquisitionMeth: WSCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|--|-------------|------|
| 12 | 5.66 | C:\Database\PMW_TOX2.L Methidathion | 000950-37-8 | 1 |



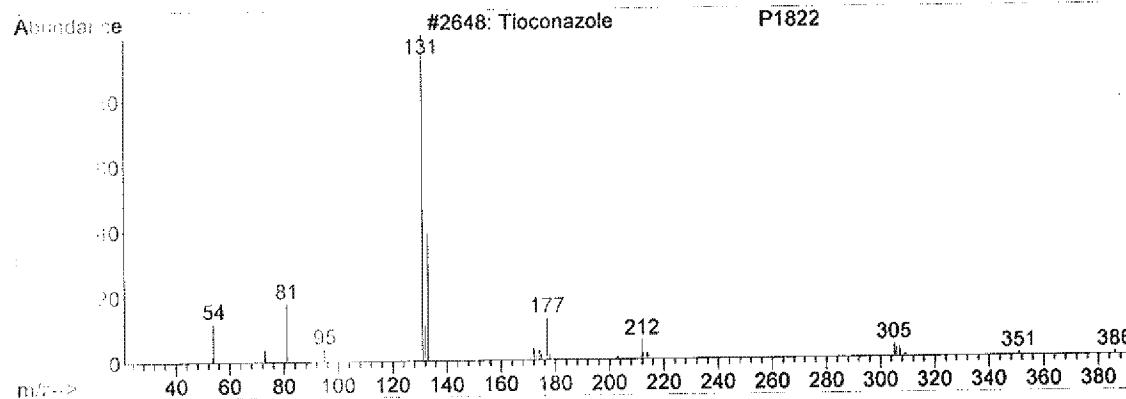
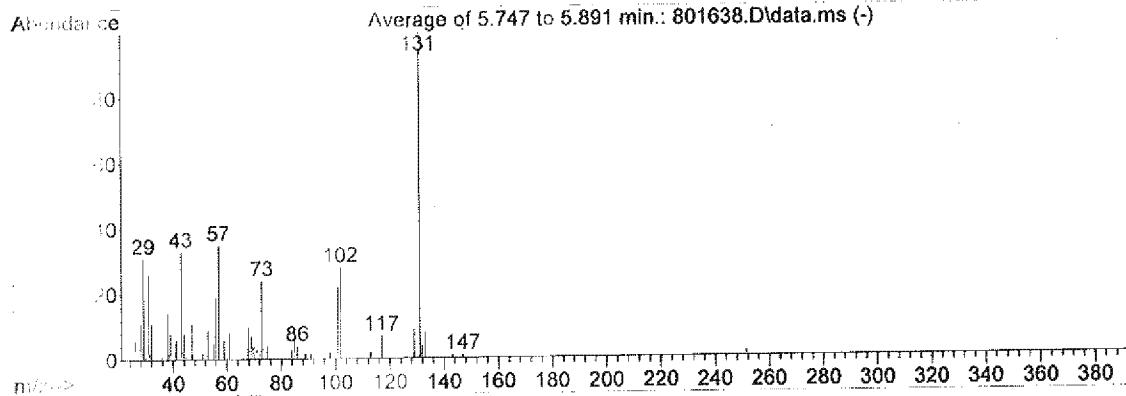
Area Percent / Library Search Report

Information from Data File:

File Name : K:\09_20_11\801638.D
Operator : NEM
Date Acquired : 21 Sep 2011 11:22
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 38
AcquisitionMeth: WSCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|---------------------------------------|-------------|------|
| 1.3 | 5.78 | C:\Database\PMW_TOX2.L Tioconazole | 065899-73-2 | 1 |



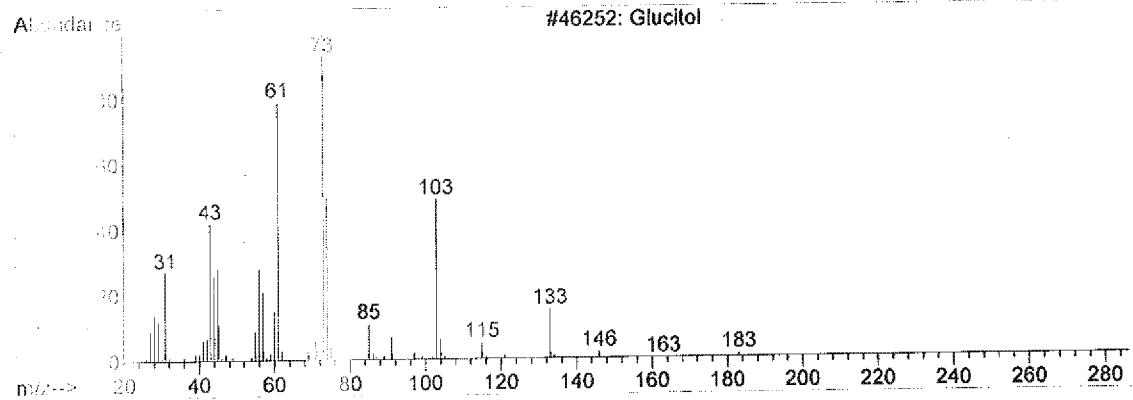
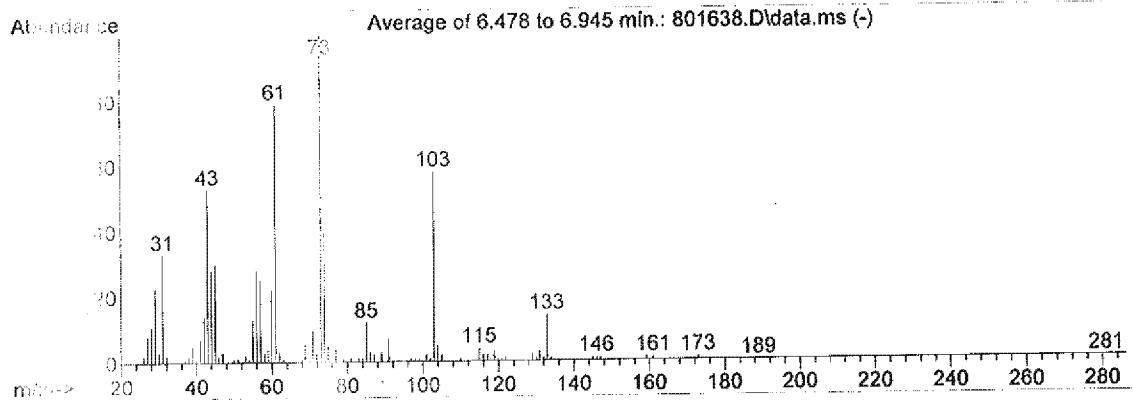
Area Percent / Library Search Report

Information from Data File:

File Name : K:\09_20_11\801638.D
Operator : NEM
Date Acquired : 21 Sep 2011 11:22
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 38
AcquisitionMeth: WSCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|----------------------|-------------|------|
| 14 | 6.92 | C:\Database\NIST08.L | | |
| | | Glucitol | 026566-34-7 | 91 |
| | | Sorbitol | 000050-70-4 | 90 |
| | | D-Mannitol | 000069-65-8 | 86 |



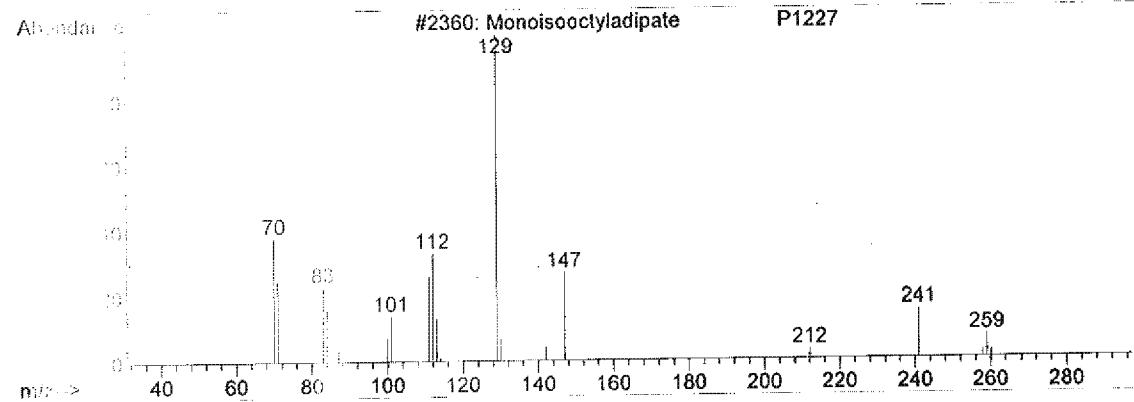
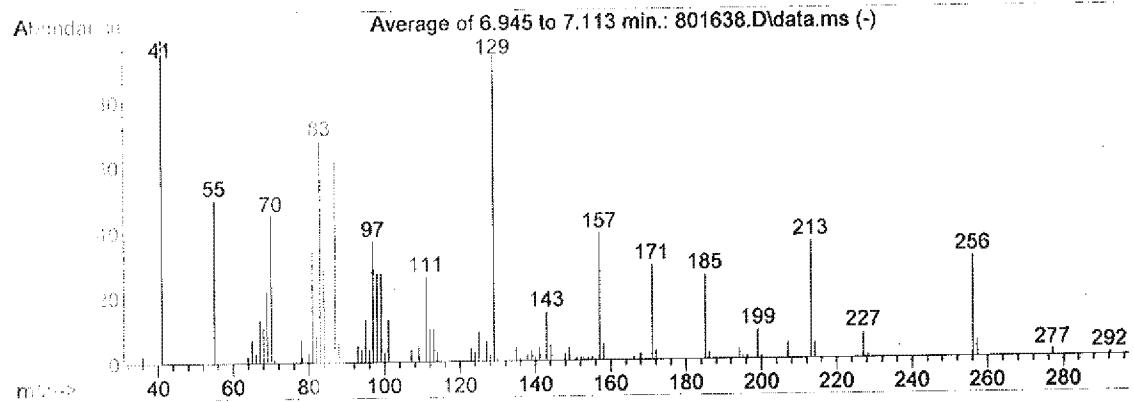
Area Percent / Library Search Report

Information from Data File:

File Name : K:\09_20_11\801638.D
Operator : NEM
Date Acquired : 21 Sep 2011 11:22
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 38
AcquisitionMeth: WSCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|------------------------|-------------|------|
| 15 | 6.96 | C:\Database\PMW_TOX2.L | | |
| | | Monoisooctyladipate | 004337-65-9 | 12 |
| | | Carbidopa 2MEAC | 000000-00-0 | 7 |
| | | Metronidazole AC | 000000-00-0 | 7 |



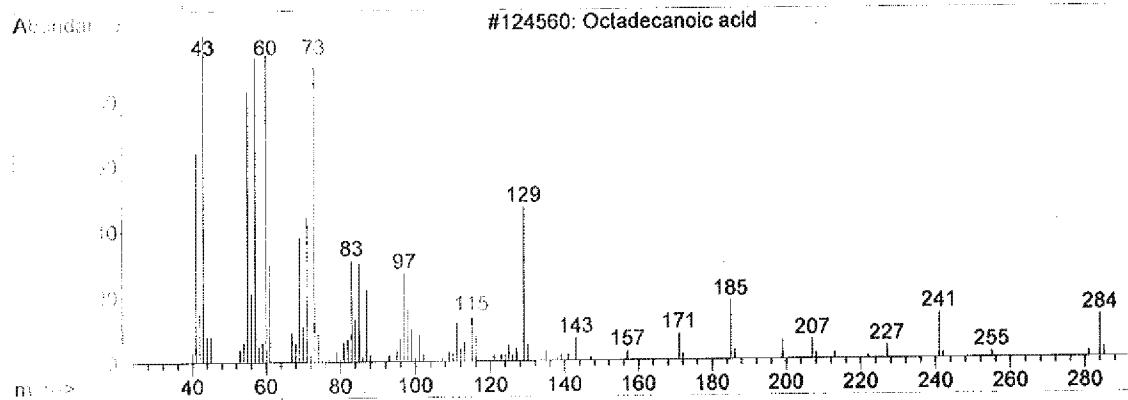
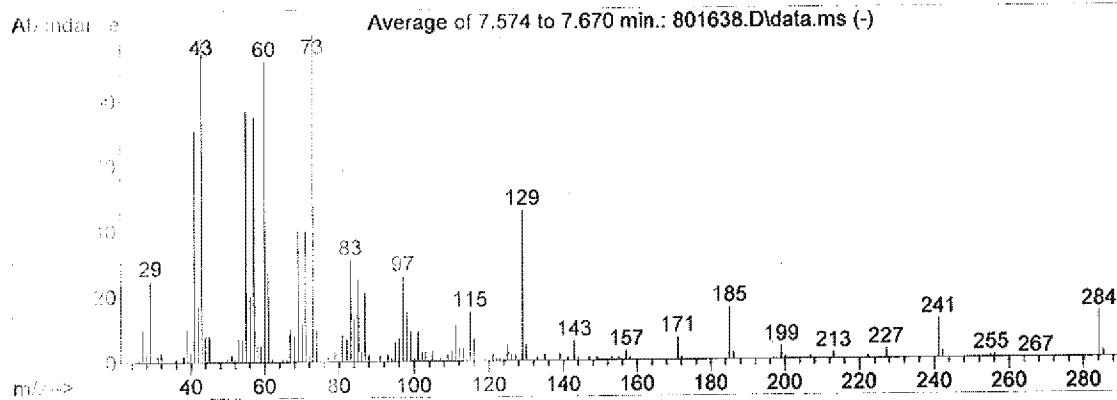
Area Percent / Library Search Report

Information from Data File:

File Name : K:\09_20_11\801638.D
Operator : NEM
Date Required : 21 Sep 2011 11:22
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 38
AcquisitionMeth: WSCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|----------------------|-------------|------|
| 16 | 7.61 | C:\Database\NIST08.L | | |
| | | Octadecanoic acid | 000057-11-4 | 99 |
| | | Octadecanoic acid | 000057-11-4 | 99 |
| | | Octadecanoic acid | 000057-11-4 | 96 |



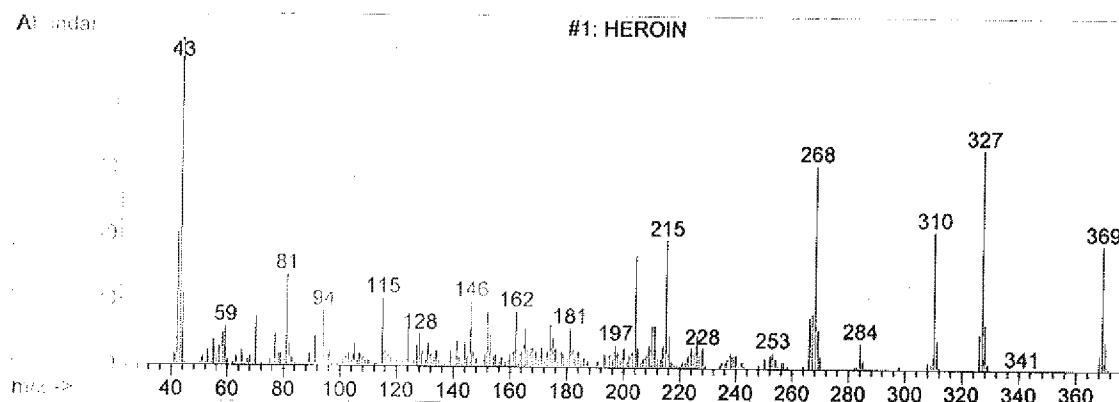
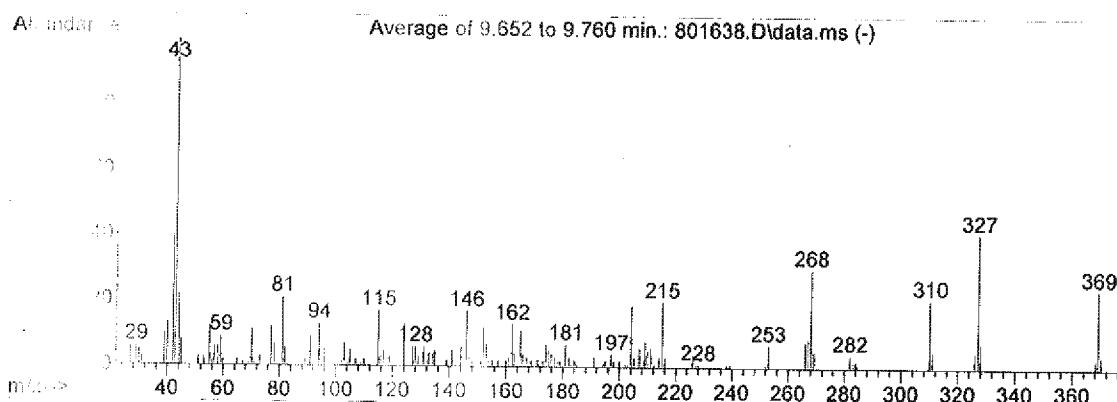
Area Percent / Library Search Report

Information from Data File:

File Name : K:\09_20_11\801638.D
Operator : NEM
Date Acquired : 21 Sep 2011 11:22
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 38
AcquisitionMeth: WSCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------------|-------------|------|
| 17 | 9.69 | C:\Database\SLI.L HEROIN | 000561-27-3 | 93 |



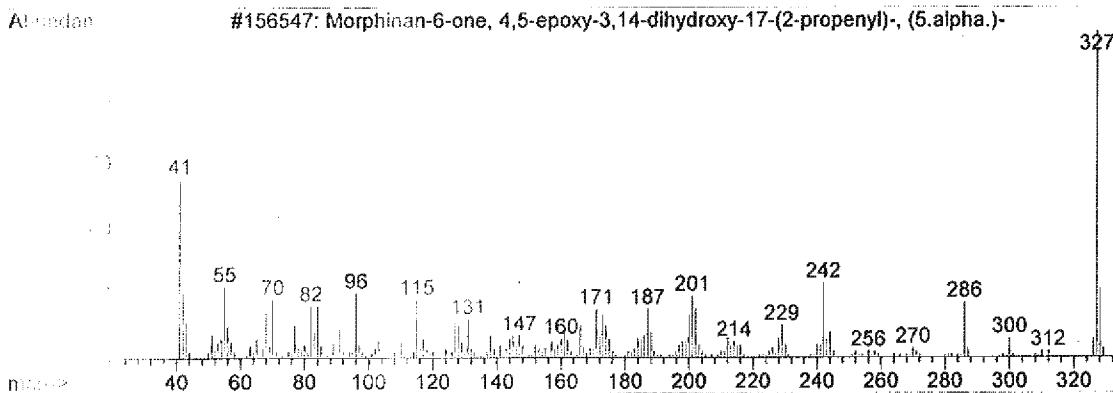
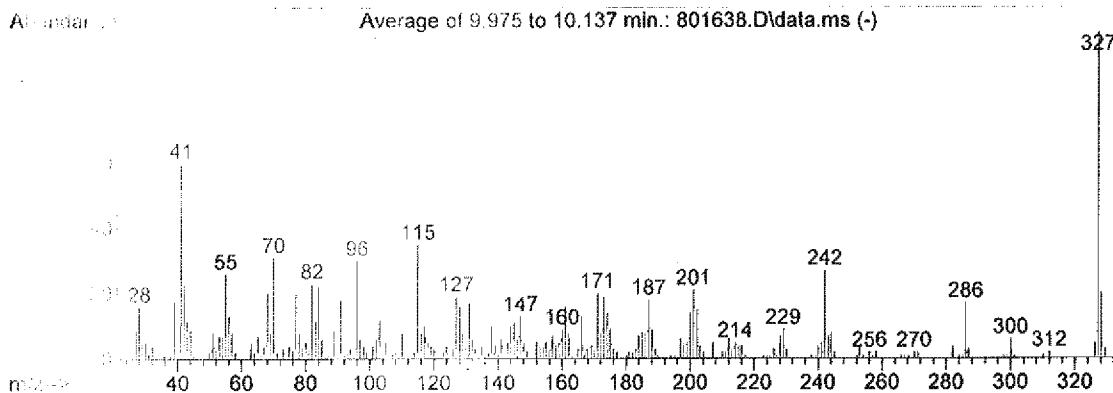
Area Percent / Library Search Report

Information from Data File:

File Name : K:\09_20_11\801638.D
Operator : NEM
Date Acquired : 21 Sep 2011 11:22
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 38
AcquisitionMeth: WSCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|-------|-------------------------------------|-------------|------|
| 18 | 10.02 | C:\Database\NIST08.L | | |
| | | Morphinan-6-one, 4,5-epoxy-3,14-dih | 000465-65-6 | 99 |
| | | Morphinan-6-one, 4,5-epoxy-3,14-dih | 000465-65-6 | 91 |
| | | Morphinan-6-one, 4,5-epoxy-3,14-dih | 000465-65-6 | 76 |



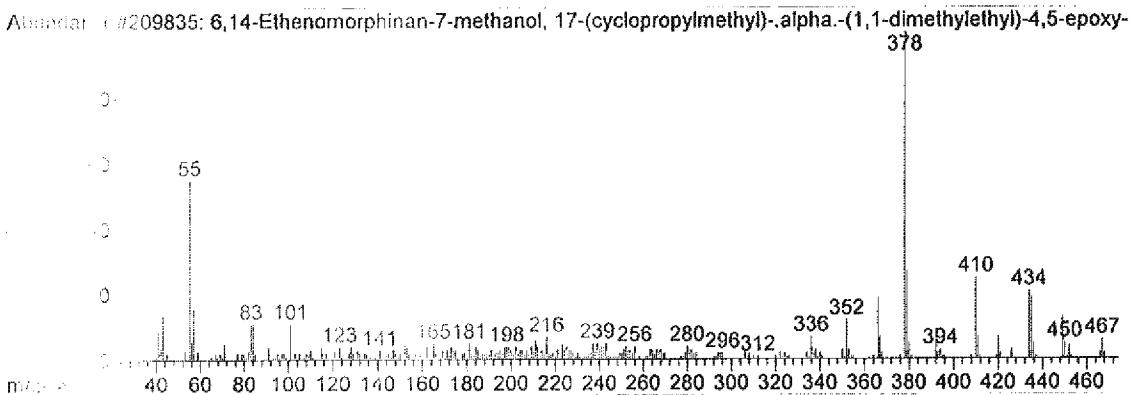
Area Percent / Library Search Report

Information from Data File:

File Name : K:\09_20_11\801638.D
 Operator : NEM
 Date Acquired : 21 Sep 2011 11:22
 Sample Name : XXXXXXXXXX
 Submitted by : KAC
 Vial Number : 38
 AcquisitionMeth: WSCREEN.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

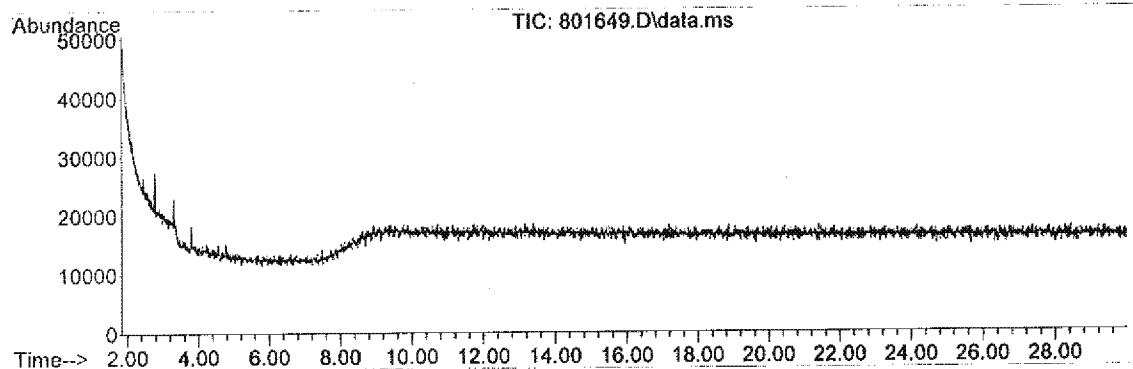
| PK# | RT | Library/ID | CAS# | Qual |
|-----|-------|-------------------------------------|-------------|------|
| 19 | 17.65 | C:\Database\NIST08.L | | |
| | | 6,14-Ethenomorphinan-7-methanol, 17 | 052485-79-7 | 99 |
| | | 6,14-Ethenomorphinan-7-methanol, 17 | 052485-79-7 | 99 |
| | | 6,14-Ethenomorphinan-7-methanol, 17 | 052485-79-7 | 95 |



Area Percent / Library Search Report

Information from Data File:

File Name : K:\09_20_11\801649.D
Operator : NEM
Date Acquired : 21 Sep 2011 17:26
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: WSCREEN.M
Integrator : RTE



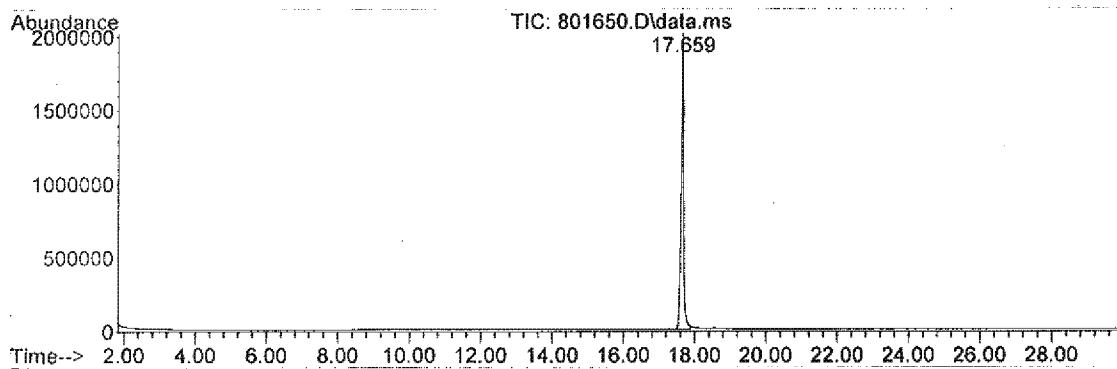
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : K:\09_20_11\801650.D
Operator : NEM
Date Acquired : 21 Sep 2011 18:00
Sample Name : BUPRENORPHINE STD
Submitted by :
Vial Number : 35
AcquisitionMeth: WSCREEN.M
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 17.659 | 9669267 | 100.00 | 100.00 |

Area Percent / Library Search Report

Information from Data File:

File Name : K:\09_20_11\801650.D
 Operator : NEM
 Date Acquired : 21 Sep 2011 18:00
 Sample Name : BUPRENORPHINE STD
 Submitted by :
 Vial Number : 35
 AcquisitionMeth: WSCREEN.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|-------|-------------------------------------|-------------|------|
| 1 | 17.66 | C:\Database\NIST08.L | | |
| | | 6,14-Ethenomorphinan-7-methanol, 17 | 052485-79-7 | 99 |
| | | 6,14-Ethenomorphinan-7-methanol, 17 | 052485-79-7 | 99 |
| | | 6,14-Ethenomorphinan-7-methanol, 17 | 052485-79-7 | 95 |

